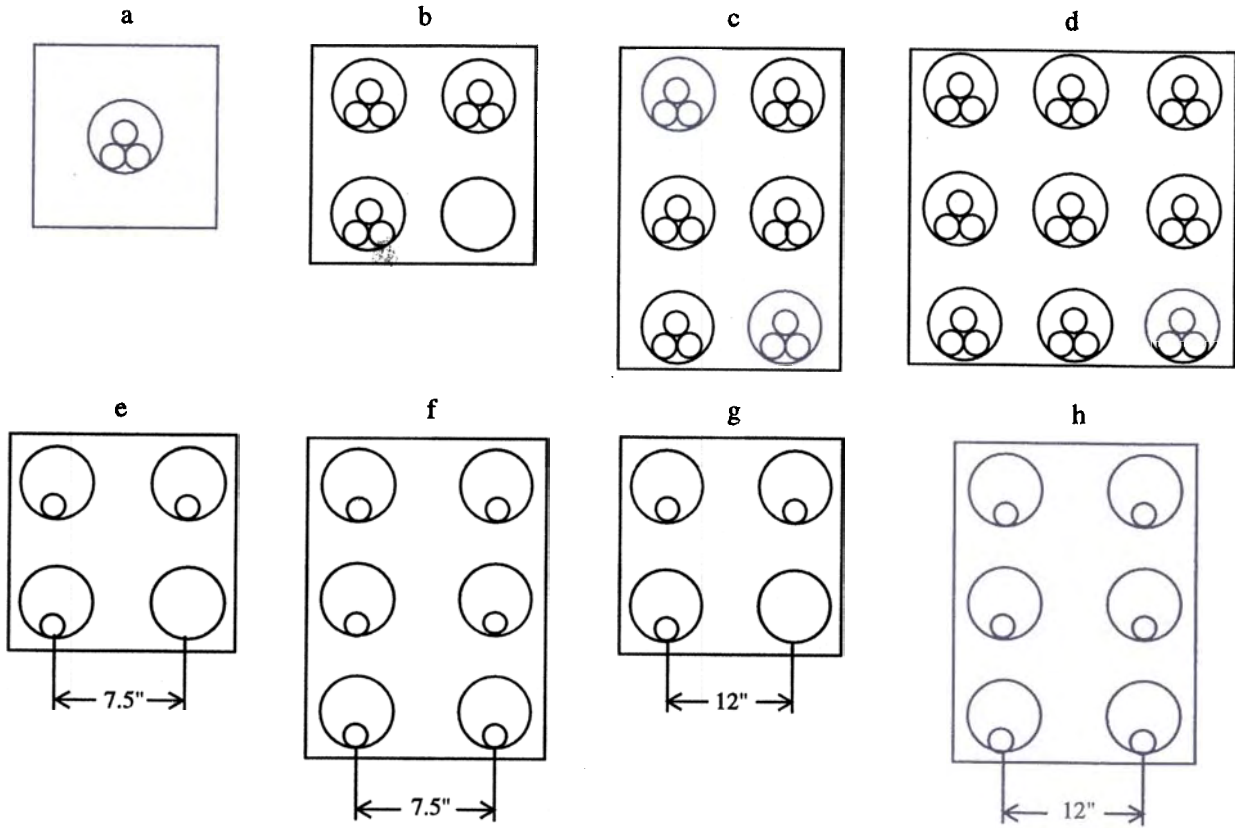
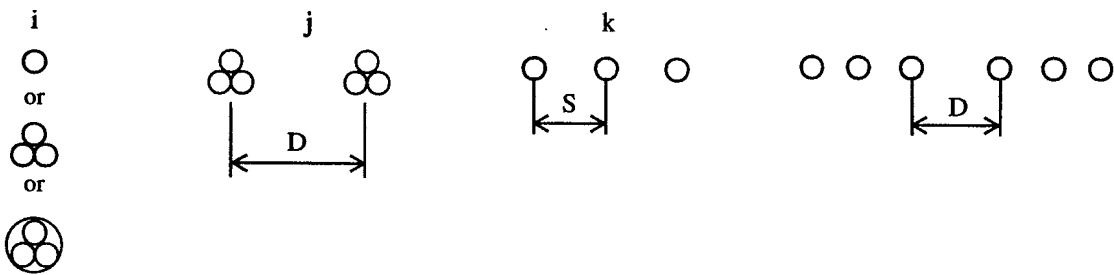


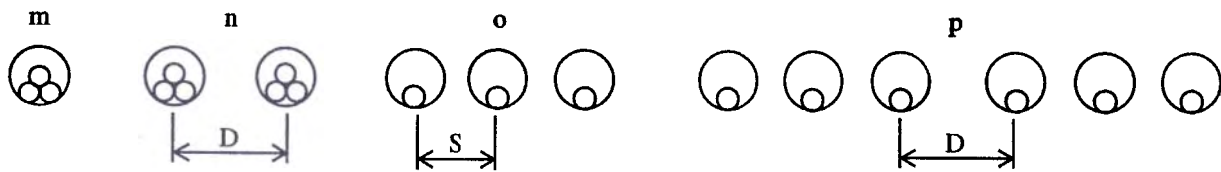
Duct Banks



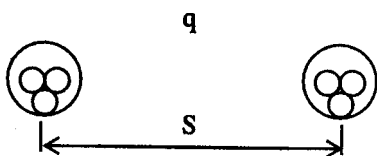
Direct buried



Buried ducts



Buried pipes



Cables in air

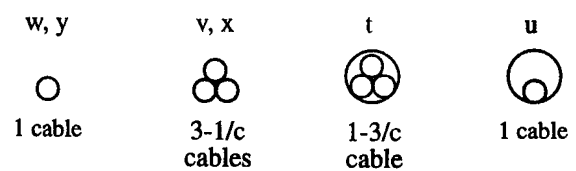


Figure 1—Cable geometry

IEEE Standard Power Cable Ampacity Tables

Sponsor

**Insulated Conductors Committee
of the
IEEE Power Engineering Society**

Reaffirmed 7 June 2006
Approved 22 September 1994

IEEE-SA Standards Board

Abstract: Over 3000 ampacity tables for extruded dielectric power cables rated through 138 kV and laminar dielectric power cables rated through 500 kV are provided.

Keywords: ampacity, cable, dielectric, extruded, laminar, power

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Foreword

(This foreword is not a part of IEEE Std 835-1994, IEEE Standard Power Cable Ampacity Tables.)

The original edition of the "Current Carrying Capacity" tables was published by the Insulated Power Cable Engineers Association (IPCEA) in 1943. With the advent of new types of cables and better knowledge of thermal circuits, IPCEA decided, in 1954, that a new edition should be published. Since the AIEE Insulated Conductors Committee was interested in the subject, a joint AIEE-IPCEA working group was formed to handle the technical aspects. The members of this working group were J. H. Neher, Chair, F. H. Buller, R. W. Burrell, W. A. Del Mar, M. H. McGrath, E. J. Merrell, H. A. Schumacher and R. J. Wiseman. The financing of the computer programming and calculations was underwritten by IPCEA, now ICEA, while the AIEE (now the IEEE) assumed the publishing role for the 1962 version of the AIEE-IPCEA Ampacity Tables Standard. This standard, identified as AIEE S-135-1 and S-135-2 and IPCEA Publication P-46-426, served the industry well for the last 30 years.

From 1970 onward, the design and application of medium and high voltage cables underwent many changes. The use of medium voltage extruded dielectric cables grew tremendously in the United States and throughout many other industrialized countries. New insulating materials and improvements in the design and installation of underground cables were developed, creating a need for updating and expanding the original ampacity tables. Advances in computer technology could also be utilized to facilitate the work on new tables.

Because of continuing demand for upgraded tables, the IEEE Insulated Conductors Committee (ICC) was asked to undertake a project to meet this need. In the late 1970's, ICC formed a working group within the Cable Characteristics Subcommittee, Project 3-1, to prepare a document outlining the scope of work necessary to establish parameters, and to update the cable constructions and design changes that had taken place since the original publication. This would then lead to a revision and expansion of the ampacity tables. This document, P835, was prepared and subsequently approved by the ICC and the IEEE Standards Board in 1984. However, the large amount of computer time and work by experts in the field to compile the actual tables placed this project beyond the reach of the normal volunteer approach to creating IEEE standards. Thus, due to lack of funds, the project languished for several years.

In 1990, following a special meeting of the ICC officers and colleagues during the Winter Power Meeting in Atlanta, a new effort to resurrect this project was developed. This new effort included a drive to raise the necessary funds through contributions from companies and individuals who would benefit from the new tables. This was the first attempt ever to raise funds from IEEE members and companies to support a standard. Following IEEE approval, this drive was launched and was successful in meeting the project's financial needs. A letter ballot was circulated to ICC voting members in 1990 to reaffirm the scope of the project. After minor changes were made to resolve negative votes, the IEEE contracted for the needed services. Following completion of the initial tables, a team of volunteers was appointed to verify preliminary results through manual computations.

In addition to the Chair, Past Chair, and members of the Working Group (listed on the next page), other ICC members are deserving of special recognition in bringing this project to fruition. Roland Watkins, while ICC Chair in 1990 and 1991, was instrumental in reviving the project and instigating the successful fund raising effort. Past ICC Chairs E. Duffy, I. Berkhan, J. B. Gardner, B. Smith, and T. Balaska worked diligently during their terms, along with the past chairs of the Working Group, to solve the problems that were delaying the project. A special thanks is given to M. A. Martin, Jr., who fostered this project from its early beginnings in the late 1970's to its publication in 1994. Over this time period, he spent many volunteer hours educating the IEEE on the need for this project.

While it is the policy of the IEEE to not publicly recognize IEEE employees and paid professionals involved in the development of IEEE standards, it goes without saying that this document could not have been created without their dedicated effort. We must also document the use of commercial computer programs identified as USAMP and TRAMP in the compilation of these tables, although IEEE owns the copyright and assumes full responsibility for this publication.

The initial ground work by the original AIEE-IPCEA Working Group laid the foundation for ampacity tables in this IEEE standard. The IEEE sincerely appreciates the working relationship it has maintained with ICEA and the effort by ICEA members in the development of new tables.

Past and present members of the Working Group are as follows:

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W. Z. Black	M. D. Buckweitz	A. W. Reczek
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Members of the verification team were as follows:

	P. A. Nobile, Chair	
J. Bougie	K. W. Brown	R. L. Harp

IEEE also wishes to give a special thanks to the following individuals and organizations for their financial contribution to this venture. It was their dedication and effort that allowed this project to go forward.

Alcatel Canada Wire Inc.	Mr. William A. Thue
Allegheny Power Services Corporation	Neste Chemicals, Inc.
Anixter Inc.	Northern States Power Company
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BICC Cables Corporation on behalf of the Corporation and two of its business units:	Okonite Company
CABLEC Continental Cables Company	Pacific Gas and Electric Company
CABLEC Utility Cable Company	Pacific Power Utah Power
Canada Wire	Phillips Cables
Chas. T. Main, Inc.	Potomac Electric Power Company
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Dalton Associates PC	Snow Consulting, Inc.
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The scope of this standard was approved by the IEEE Standards Board on June 27, 1991. The IEEE Standards Board approved this standard on September 22, 1994, with the following membership:

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Type 1 600 V–5 kV unshielded extruded

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	Copper	Aluminum
In Duct Bank					
a	1	1	3	1	37
b	3	3	3	3	39
c	6	6	3	5	41
d	9	9	3	7	43
Direct Buried					
i	-	1	3x1/c or 1CN or 1x3/c	9	45
j	-	2	3x1/c or 2CN or 3/c	19	55
Horizontal Conduit in Air					
t	1	1	3	29	65
In Free Air					
v	-	1	3	31	67
w	-	1	1	33	69
In Unventilated Riser					
x	1	1	3	35	71

The first page of each series of tables is indicated.

Type 2
5-15 kV, two conductor, concentric neutral, extruded

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	5 kV		15 kV	
				Copper	Aluminum	Copper	Aluminum
Direct Buried							
i	-	1	3x1/c or 1CN or 1x3/c	73	139	205	271
j	-	2	3x1/c or 2CN or 2x3/c	83	149	215	281
k	-	1	3x1/c or 3CN	93	159	225	291
Direct Buried Conduits							
m	1	1	3	103	169	235	301
n	2	2	3	113	179	245	311
o	3	1	1	123	189	255	321
Horizontal Conduit in Air							
u	1	1	1	133	199	265	331
In Free Air							
w	-	1	1	135	201	267	333
In Unventilated Riser							
y	1	1	1	137	203	269	335

The first page of each series of tables is indicated.

Type 3
5-46 kV, single conductor, shielded, extruded

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	5-15 kV		25-46 kV	
				Copper	Aluminum	Copper	Aluminum
In Duct Bank							
a	1	1	3	337	509	681	853
b	3	3	3	341	513	685	857
c	6	6	3	345	517	689	861
d	9	9	3	349	521	693	865
e	3	1	1	353	525	697	869
f	6	2	1	355	527	699	871
Direct Buried							
i	-	1	3x1/c or 1CN or 1x3/c	357	529	701	873
j	-	2	3x1/c or 2CN or 2x3/c	377	549	721	893
k	-	1	3x1/c or 3CN	397	569	741	913
l	-	2	1	417	589	761	933
Direct Buried Conduits							
m	1	1	3	437	609	781	953
n	2	2	3	457	629	801	973
o	3	1	1	477	649	821	993
p	6	2	1	487	659	831	1003
Horizontal Conduit in Air							
t	1	1	3	497	669	841	1013
In Free Air							
v	1	1	3	501	673	845	1017
In Unventilated Riser							
x	1	1	3	505	677	849	1021

The first page of each series of tables is indicated.

Type 4
69-138 kV, single conductor, shielded, unfilled XLPE

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	69 kV		115-138 kV	
				Copper	Aluminum	Copper	Aluminum
In Duct Bank							
g	3	1	1	1025	1098	1171	1244
h	6	2	1	1028	1101	1174	1247
Direct Buried							
i	-	1	3	1031	1104	1177	1250
j	-	2	3	1047	1120	1193	1266
k	-	1	1	1063	1136	1209	1282
l	-	2	1	1079	1152	1225	1298
In Unventilated Riser							
x	1	1	3	1095	1168	1241	1314

The first page of each series of tables is indicated.

NOTE—Ampacities for type 4 cables are followed by pages for watts loss and constants.

Type 5
69–138 kV, single conductor, shielded, filled, XLPE/EPR

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	69 kV		115–138 kV	
				Copper	Aluminum	Copper	Aluminum
In Duct Bank							
g	3	1	1	1317	1390	1463	1536
h	6	2	1	1320	1393	1466	1539
Direct Buried							
i	-	1	3	1323	1396	1469	1542
j	-	2	3	1339	1412	1485	1558
k	-	1	1	1355	1428	1501	1574
l	-	2	1	1371	1444	1517	1590
In Unventilated Riser							
x	1	1	3	1387	1460	1533	1606

The first page of each series of tables is indicated.

NOTE—Ampacities for type 5 cables are followed by pages for watts loss and constants.

Type 6
5 kV and 15 kV, three conductor, shielded, extruded

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	5 kV		15 kV	
				Copper	Aluminum	Copper	Aluminum
In Duct Bank							
a	1	1	3	1609	1643	1677	1711
b	3	3	3	1611	1645	1679	1713
c	6	6	3	1613	1647	1681	1715
d	9	9	3	1615	1649	1683	1717
Direct Buried							
i	-	1	3	1617	1651	1685	1719
j	-	2	3	1627	1661	1695	1729
Horizontal Conduit in Air							
u	1	1	1	1637	1671	1705	1739
In Free Air							
w	-	1	3	1639	1673	1707	1741
In Unventilated Riser							
y	1	1	1	1641	1675	1709	1743

The first page of each series of tables is indicated.

Type 7
5–35 kV, single conductor, paper with lead sheath

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	5 kV		15 kV		35 kV	
				Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
In Duct Bank									
a	1	1	3	1745	1786	1827	1868	1909	1950
b	3	3	3	1746	1787	1828	1869	1910	1951
c	6	6	3	1747	1788	1829	1870	1911	1952
d	9	9	3	1748	1789	1830	1871	1912	1953
e	3	1	1	1749	1790	1831	1872	1913	1954
f	6	2	1	1750	1791	1832	1873	1914	1955
Direct Buried									
i	-	1	3	1751	1792	1833	1874	1915	1956
j	-	2	3	1759	1800	1841	1882	1923	1964
k	-	1	1	1767	1808	1849	1890	1931	1972
l	-	2	1	1775	1816	1857	1898	1939	1980
Horizontal Conduit in Air									
t	1	1	3	1783	1824	1865	1906	1947	1988
In Free Air									
v	-	1	3	1784	1825	1866	1907	1948	1989
In Unventilated Riser									
x	1	1	3	1785	1826	1867	1908	1949	1990

The first page of each series of tables is indicated.

Type 8
5–35 kV, three conductor, paper with lead sheath

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	5 kV		15 kV		35 kV	
				Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
In Duct Bank									
a	1	1	3	1991	2014	2037	2060	2083	2106
b	3	3	3	1992	2015	2038	2061	2084	2107
c	6	6	3	1993	2016	2039	2062	2085	2108
d	9	9	3	1994	2017	2040	2063	2086	2109
Direct Buried									
i	-	1	3	1995	2018	2041	2064	2087	2110
j	-	2	3	2003	2026	2049	2072	2095	2118
Horizontal Conduit in Air									
u	1	1	1	2011	2034	2057	2080	2103	2126
In Free Air									
w	-	1	3	2012	2035	2058	2081	2104	2127
In Unventilated Riser									
y	1	1	1	2013	2036	2059	2082	2105	2128

The first page of each series of tables is indicated.

Type 9
69-500 kV, single conductor, self-contained, liquid filled, paper

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	69 kV		115 kV		138 kV			
				Copper		Aluminum		Copper		Aluminum	
				Lead	Alum	Lead	Alum	Lead	Alum	Lead	Alum
In Duct Bank											
g	3	1	1	2129	2176	2223	2270	2317	2364	2411	2458
h	6	2	1	2132	2179	2226	2273	2320	2367	2414	2461
Direct Buried											
k	-	1	1	2135	2182	2229	2276	2323	2370	2417	2458
l	-	2	1	2151	2198	2245	2292	2339	2386	2433	2461
Horizontal (Non-Metallic) Conduit in Air											
u	1	1	1	2167	2214	2261	2308	2355	2402	2449	2496
In Free Air											
w	-	1	1	2170	2217	2264	2311	2358	2405	2452	2499
Unventilated (Non-Metallic) Riser											
y	1	1	1	2173	2220	2267	2314	2361	2408	2455	2502

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	230 kV				345 kV				500 kV	
				Copper		Aluminum		Copper		Aluminum		Copper	Alum
				Lead	Alum	Lead	Alum	Lead	Alum	Lead	Alum	Alum	Alum
In Duct Bank													
g	3	1	1	2505	2528	2551	2574	2597	2620	2643	2666	2689	2712
h	6	2	1	2508	2531	2554	2577	2600	2623	2646	2669	2692	2715
Direct Buried													
k	-	1	1	2511	2534	2557	2580	2603	2626	2649	2672	2695	2718
l	-	2	1	2514	2538	2561	2584	2607	2630	2653	2676	2699	2722
Horizontal (Non-Metallic) Conduit in Air													
u	1	1	1	2519	2542	2565	2588	2611	2634	2657	2680	2703	2726
In Free Air													
w	-	1	1	2522	2545	2568	2591	2614	2637	2660	2683	2706	2729
Unventilated (Non-Metallic) Riser													
y	1	1	1	2525	2548	2571	2594	2617	2640	2663	2686	2709	2732

The first page of each series of tables is indicated.

Type 10
69 kV, three conductor, self-contained, liquid filled paper

Cable geometry (see figure 1)	Number of conduits	Number of circuits	Number of conductors per position	Copper Lead	Aluminum Lead
In Duct Bank					
a	1	1	3	2735	2785
b	3	3	3	2738	2788
c	6	6	3	2741	2791
d	9	9	3	2744	2794
Direct Buried					
i	1	1	3	2747	2797
j	2	2	3	2763	2813
In Free Air					
w	-	1	3	2779	2829
Unventilated (Non-Metallic) Riser					
y	1	1	3	2782	2832

The first page of each series of tables is indicated.

Type 11
69–500 kV, paper-insulated, high-pressure liquid-filled, pipe type

Number of pipes	Spacing	69 kV		115 kV		138 kV	
		Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
In Buried Pipe							
1	-	2835	2844	2853	2862	2871	2880
2	24 in	2838	2847	2856	2865	2874	2883
2	36 in	2841	2850	2859	2868	2877	2886

Number of pipes	Spacing	230 kV		345 kV		500 kV	
		Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
In Buried Pipe							
1	-	2889	2898	2907	2916	2925	2934
2	24 in	2892	2901	2910	2919	2928	2937
2	36 in	2895	2904	2913	2922	2931	2940

The first page of each series of tables is indicated.

Type 12
115–500 kV, LPP insulated, high-pressure liquid-filled, pipe type

Number of pipes	Spacing	115 kV		138 kV		230 kV	
		Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
In Buried Pipe							
1	-	2943	2952	2961	2970	2979	2988
2	24 in	2946	2955	2964	2973	2982	2991
2	36 in	2949	2958	2967	2976	2985	2994

Number of pipes	Spacing	345 kV		500 kV	
		Copper	Aluminum	Copper	Aluminum
In Buried Pipe					
1	-	2997	3006	3015	3024
2	24 in	3000	3009	3018	3027
2	36 in	3003	3012	3021	3030

The first page of each series of tables is indicated.

Type 13
69–138 kV, paper insulated, high-pressure gas-filled, pipe type

Number of pipes	Spacing	69 kV		115 kV		138 kV	
		Copper	Aluminum	Copper	Aluminum	Copper	Aluminum
In Buried Pipe							
1	-	3033	3042	3051	3060	3069	3078
2	24 in	3036	3045	3054	3063	3072	3081
2	36 in	3039	3048	3057	3066	3075	3084

The first page of each series of tables is indicated

Introduction to the Power Cable Ampacity Tables

1. Overview

1.1 Scope

This standard provides calculated ratings for the following cables:

- Type 1: 600 V–5 kV unshielded extruded dielectric
- Type 2: 5–15 kV two conductor shielded URD single phase extruded dielectric
- Type 3: 5–46 kV single conductor extruded dielectric
- Type 4: 69–138 kV single conductor, unfilled, crosslinked polyethylene
- Type 5: 69–138 kV single conductor, filled crosslinked polyethylene and ethylene propylene rubber
- Type 6: 5 kV and 15 kV three conductor extruded dielectric
- Type 7: 5–35 kV single conductor paper insulated, lead sheathed
- Type 8: 5–35 kV, three conductor, paper insulated, lead sheathed, shielded
- Type 9: 69–500 kV, single conductor, self contained, paper insulated, liquid filled
- Type 10: 69 kV, three conductor, self-contained, paper insulated, liquid filled
- Type 11: 69–500 kV high pressure, paper insulated, liquid filled, pipe type
- Type 12: 115–500 kV high pressure, laminated paper, polypropylene insulated, liquid filled, pipe type
- Type 13: 69–138 kV high-pressure gas-filled, pipe type

Installation conditions include duct banks (as shown in figure 1), direct buried cables, cables buried in ducts, buried pipes, horizontal cable in ducts, in air and vertical non-vented riser cables. The various operating conditions for each of the cable designs and installation conditions are described in the technical features of the tables (clause 3).

1.2 Purpose

Over the past 30 years the AIEE S-135-1 and S-135-2 (IPCEA P-46-426) Power Cable Ampacities publications have often been referred to as the “black books” and have been used by engineers, planners, and system designers throughout the world. During this time period, these publications were the only complete document on power cable ampacities in the United States. In 1976, the Insulated Conductors Committee, in cooperation with the Insulated Cables Engineering Association (ICEA) and the National Electrical Manufacturers Association (NEMA), published supplemental ampacity tables to provide ampacity ratings for single conductor cables with shield losses due to circulating currents. That publication was needed due to the tremendous increase in the use of single conductor extruded dielectric cables with multiple point bonding and grounding.

As time passed, new cable designs were developed with synthetic insulation, different shielding designs and higher operating voltages and temperatures. Moreover, new technology and equipment was developed for measuring the thermal properties of soil. These developments with heat transfer in soils provided a different understanding and approach for rating cables based on maximum cable/earth interface temperature. In addition, new forced convection heat transfer analytical methods were employed for cables in air, which provided for less conservative ampacity ratings.

The tables in this standard reflect these changes in methodology and provide the user with a vast array of cable ampacity ratings for 600 V utilization cables, medium voltage distribution cable and high voltage transmission cables.

2. References

This standard shall be used in conjunction with the following references. Other related documents are listed as bibliographical items in clause 4.

AEIC CS4-93, Specifications for Impregnated-Paper-Insulated Low and Medium Pressure Self-Contained Liquid-Filled Cable.¹

AEIC G1-68, Guide for Application of AEIC Maximum Insulation Temperatures at the Conductor for Impregnated-Paper-Insulated Cables.

ICEA P-45-482 (1979), Short Circuit Performance of Metallic Shielding and Sheaths.²

IEC 287 (1982), Calculation of the Continuous Current Rating of Cables (100% load factor).³

IEEE Std 738-1993, IEEE Standard for Calculating the Current Temperature of Bare Overhead Conductors (ANSI).⁴

NEMA WC50-1988/ICEA P-53-426, Ampacities, 15–69 kV 1/c Power Cable Including Effect of Shield Losses (Solid Dielectrics).⁵

3. Technical features of the tables

3.1 Parameters

The calculated ampacities in this standard are based on the parameters and assumptions discussed in the following sub-clauses.

3.1.1 Voltage

600 V–5 kV, 5 kV, 15 kV, 25 kV, 46 kV, 69 kV, 115 kV, 138 kV, 230 kV, 345 kV and 500 kV as indicated for each cable type.

3.1.2 Load and loss factors

Load factors of 75 and 100 percent (%) and corresponding loss factors 62.5 and 100 percent (%) for buried cable:

3.1.3 Dielectric loss

The dielectric loss was computed based on the values of dissipation factor and dielectric constants listed below. The dielectric loss may have a significant effect on cable ampacity for multiple 15–35 kV cables in a duct bank or for some cables rated above 35 kV. However, in general, the dielectric loss is negligible for single circuit extruded dielectric cables rated up to 35 kV, unless the dissipation factor increases significantly with elevated operating temperatures.

¹AEIC publications are available from the Association of Edison Illuminating Companies, 600 N. 18th Street, P. O. Box 2641, Birmingham, AL 35291-0992, USA.

²ICEA publications are available from ICEA, P.O. Box 411, South Yarmouth, MA 02664, USA

³IEC publications are available from IEC Sales Department, Case Postale 131, 3 rue de Varembe, CH-1211, Genève 20, Switzerland/Suisse. IEC publications are also available in the United States from the Sales Department, American National Standards Institute, 11 West 42nd Street, 13th Floor, New York, NY 10036, USA.

⁴IEEE publications are available from the Institute of Electrical and Electronics Engineers, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331, USA.

⁵NEMA publications are available from the National Electrical Manufacturers Association, 2101 L Street NW, Washington, DC 20037, USA.

For paper cables made prior to 1967, AEIC G1-68⁶ recommends higher values of dissipation factor in many cases. See 3.4.2 for method of adjustment for ampacity due to higher dielectric loss.

The dissipation factors ($\tan \delta$) and specific inductive capacitance (SIC) for the cable designs in this standard are shown in table 1.

Table 1—Dissipation factors and specific inductive capacitance for cable designs in this standard

Cable type	Description	Tan δ	SIC
4	Extruded dielectric unfilled (69–138kV)	.1%	2.3
5	Extruded dielectric-filled (69–138 kV)	1.5%	3.0
7	Paper/lead 5 kV	2.2%	3.7
7	Paper/lead 15 kV	1.6%	3.7
7	Paper/lead 35 kV	1.1%	3.7
8	3/C paper-lead-cable 5 kV	1.6%	3.7
8	3/C paper-lead-/gas filled 15 kV	1.6%	3.7
8	3/C paper-lead-/gas filled 35 kV	1.1%	3.7
9	Self contained liquid filled 69–138 kV	.33%	3.5
9	Self contained liquid filled 230 kV	.27%	3.5
9	Self contained liquid filled 345–500 kV	.24%	3.5
10	3/C-self contained liquid filled 69 kV	.33%	3.5
11	High pressure-liquid filled, paper/pipe type 69–138 kV	.30%	3.5
11	High pressure-liquid filled, paper/pipe type 230–500 kV	.25%	3.5
12	High pressure-liquid filled, paper/pipe type 115–500 kV	.10%	2.8
13	High pressure-paper insulated gas-filled pipe type 69–138 kV	.30%	3.5

3.1.4 Thermal resistivity

3.1.4.1 Earth thermal resistivity

Thermal resistivities of 60 °C, 90 °C, and 120 °C centimeters per watt (°C cm/W) are shown as 60 RHO, 90 RHO, and 120 RHO in the tables. In the past, when the thermal resistivity of the earth was not known a rho of 90 was recommended for rating the cable. However, the ratings for buried cables are significantly affected by the earth's portion of the thermal circuit and therefore correct knowledge of the effective soil thermal resistivity and soil thermal stability is paramount in establishing the correct rating for a buried cable system.

3.1.4.2 Duct banks

Fiber duct: 480 °C cm/W

Concrete: 60 °C cm/W

⁶Information on references can be found in clause 2.

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3.1.4.3 Jackets

Cable types 3–6: 600 °C cm/W
Cable types 7–10: 500 °C cm/W

3.1.4.4 Cable insulation

Extruded insulations: 350 °C cm/W
Paper (solid) and low pressure gas filled: 600 °C cm/W
Paper (self contained) liquid filled: 550 °C cm/W
Paper or LPP (pipe type): 600 °C cm/W

3.1.4.5 Pipe coating

400 °C cm/W

3.1.5 Temperatures

Ambient temperatures were selected at 25 °C earth ambient for buried cables and 40 °C for air. Conductor temperatures are as shown in table 2.

3.2 Cable constructions

3.2.1 Conductors

Copper and aluminum conductors are considered in this standard. Conductor sizes span the range covered by applicable industry standards, however all sizes are not shown. The variety of conductor sizes used for each cable type are shown in table 3. Strand types are as follows:

C	concentric
CR	compact round
CCR	concentric round
SG	compact segmental (4 segments)
SECT	120° sector
HC	hollow core concentric
HS	6 segment hollow core

3.2.2 Insulation

Cable insulation thicknesses for each cable type are shown in table 3.

3.2.3 Metallic shields

Metallic shield losses were included for all cable types except type 1. The operating conditions for the metallic shield were as follows:

Cables in trefoil geometry: short-circuited

Spaced cables:

- Short-circuited shields up to and including 500 kcmil copper and 750 kcmil aluminum
- Short- and open-circuited shields for 750–2350 kcmil copper and 1000–1750 kcmil aluminum
- Open-circuited shields only for 1500 kcmil copper and 2000 kcmil aluminum and larger

Pipe cables: short-circuited shields

Table 2—Conductor temperatures (°C)

Cable type	Installation conditions				
	Duct bank	Direct buried	Buried duct	Buried pipe	Air
1	75°/90°	50–90 ^a	X	X	75°/90°
2	X	50–90 ^a	50–90 ^a	X	75°/90°
3	75°/90°	50–90 ^a	50–90 ^a	X	75°/90°
4	90°	50–90 ^b	X	X	90°
5	90°	50–90 ^b	X	X	90°
6	75°/90°	50–90 ^a	X	X	75°/90°
7 (5 kV)	95°	50–95 ^c	X	X	95°
7 (15 kV)	90°	50–90 ^b	X	X	90°
7 (35 kV)	80°	50–80 ^d	X	X	80°
8 (5–15 kV)	90°	50–90 ^b	X	X	90°
8 (35 kV)	80°	50–80 ^d	X	X	80°
9 (69–138 kV)	85°	50–85 ^e	X	X	85°
9 (230–500 kV)	85°	85°	X	X	85°
10	85°	50–85 ^e	X	X	85°
11	X	X	X	85°	X
12	X	X	X	85°	X
13	X	X			X

a includes 50°, 65°, 75°, 80°, 90° temperatures

b includes 50°, 65°, 80°, 90° temperatures

c includes 50°, 65°, 85°, 95° temperatures

d includes 50°, 65°, 70°, 80° temperatures

e includes 50°, 65°, 75°, 85° temperatures

Metallic shield sizes for extruded dielectric cables rated through 46 kV ranged from full conductance of the core conductor to an equivalent 1/36 conductance as shown in the tables. Extruded dielectric cables rated 69–138 kV have metallic shields sized for carrying fault current in accordance with ICEA P-45-482 for thermoplastic jackets. Shield sizes and fault current duty are as shown below:

Fault current magnitude	Shield resistance ($\mu\Omega/\text{ft}$ @ 25 °C)
10 kA for 8 cycles (0.133 sec)	207
15 kA for 8 cycles	138
20 kA for 8 cycles	103
30 kA for 8 cycles	69

Three conductor shielded extruded dielectric cables 5 kV and 15 kV (type 6) have a 5 mil copper tape shield on each single conductor within the cable.

Table 3—Cable conductor sizes and insulation thicknesses

Cable type	Voltage	Conductor sizes	Insulation thickness (mils)
1	600 to 5 kV	#12AWG–#10AWG	45
1	600 to 5 kV	#8AWG–#2AWG	60
1	600 to 5 kV	#1AWG–#4/0 AWG	80
1	600 to 5 kV	250–500 kcmil	95
1	600 to 5 kV	600–1000 kcmil	110
2	5 kV	#4–4/0 AWG	90
2	15 kV	#4–4/0 AWG	175
3	5–15 kV	#2AWG–1000 kcmil	175
3	5–15 kV	1000–2000 kcmil	220
3	25–46 kV	#1AWG–2000 kcmil	345
4–5	69 kV	500–2500 kcmil	650
4–5	115–138 kV	750–2500 kcmil	800
6	5 kV	#8AWG–1000 kcmil	90
6	15 kV	#2AWG–1000 kcmil	175
7	5 kV	#4/0AWG–1000 kcmil	100
7	5 kV	1250–3000 kcmil	105
7	15 kV	#4/0AWG–3000 kcmil	165
7	35 kV	#4/0AWG–3000 kcmil	330
8	5 kV	#6AWG–1000 kcmil	85 × 45
8	15 kV	#4AWG–#2AWG	180
8	15 kV	#1/0AWG–1000	165
8	35 kV	#2/0AWG–1000	330
9	69 kV	#4/0AWG–3000	270
9	115 kV	350–750 kcmil	420
9	115 kV	1000–3000 kcmil	375
9	138 kV	750 kcmil	490
9	138 kV	1000–3000 kcmil	440

Table 3—Cable conductor sizes and insulation thicknesses (Continued)

Cable type	Voltage	Conductor sizes	Insulation thickness (mils)
9	230 kV	1000–2000 kcmil	745
9	230 kV	2250–3000 kcmil	605
9	345 kV	1000–1250 kcmil	1020
9	345 kV	1500–3000 kcmil	905
9	500 kV	2000–2250 kcmil	1325
9	500 kV	2500–4000 kcmil	1235
10	69 kV	1/0 AWG–1000 kcmil	270
11	69 kV	3/0 AWG–4000 kcmil	270
11	115 kV	350 kcmil–750 kcmil	420
11	115 kV	1000–4000 kcmil	375
11	138 kV	500–750 kcmil	490
11	138 kV	1000–4000 kcmil	440
11	230 kV	1000–2000 kcmil	745
11	230 kV	2250–4000 kcmil	605
11	345 kV	1000–1250 kcmil	1020
11	345 kV	1500–4000 kcmil	905
11	500 kV	2000–4000 kcmil	1100
12	115 kV	350–4000 kcmil	250
12	138 kV	500–750 kcmil	300
12	138 kV	1000–4000 kcmil	270
12	230 kV	1000–2000 kcmil	475
12	230 kV	2250–4000 kcmil	490
12	345 kV	1500–4000 kcmil	600
12	500 kV	2000–4000 kcmil	745
13	69 kV	3/0 AWG–4000 kcmil	300
13	115 kV	500–4000 kcmil	485
13	138 kV	500–4000 kcmil	585

Paper lead (type 7) cables and three conductor paper lead/low pressure gas (type 8) cables have lead sheaths with 7.84% IACS conductivity lead in accordance with AEIC G1-68 specifications. Each conductor shield with 3 mil copper tape and intercalated paper tape. Paper lead self-contained cables (types 9 and 10) have lead sheaths (7.84% IACS lead) for 3 conductor cables and single conductor cables through 345 kV. Ratings for corrugated aluminum shields are also included for 138–500 kV single conductor cables. Shield size is in accordance with AEIC CS4-93 pipe type cables.

3.2.4 Jackets and pipe coatings

Jackets were included on cable types 3, 4, 5, 6 (7 and 8 for cables direct buried only), 9 and 10. Jacket thickness for all cable types except 9 and 10 were as follows:

Calculated diameter under jacket (in)	Jacket thickness (mils)
up to 1.500	80
1.501 to 2.500	110
2.501 and larger	140

Cable types 9 and 10 have jacket thicknesses in accordance with table III in AEIC CS4-93.

Pipe coatings for pipe type cables (types 11, 12 and 13) were as follows:

Pipe size (in)	Coating thickness
4 1/2 × 0.237	0.070
5 9/16 × 0.258	0.070
6 5/8 × 0.250	0.070
8 5/8 × 0.250	0.070
10 3/4 × 0.250	0.110
12 3/4 × 0.250	0.110

3.3 Installation conditions

3.3.1 Duct banks (30 inches cover over top of duct bank)

Duct bank geometry is shown in installations a–h of figure 1. Duct spacing (S) is 7.5 inches for installations b, c, d, e, and f and 12 inches for installations g and h.

3.3.2 Direct buried

Cables directly buried in the earth 36 inches deep for installations i through l as indicated in the tables and shown in figure 1. Cable spacing (S) is 7.5 inches, except for cable types 4, 5, and 9, where spacing is 12 inches. Circuit spacing (D) is 24 inches for installations j and l. Where cables are touching, the spacing between cables is equal to the diameter of the cable.

3.3.3 Buried ducts

Cables buried in ducts, 36 inches deep for installations m-p as indicated in the tables and shown in figure 1. Cable spacing (S) is 7.5 inches and circuit spacing (D) is 24 inches. Where conduits are touching for type 2 cables the spacing between cables is equal to the diameter of the cable.

3.3.4 Buried pipes

Pipe type cables buried 36 in deep for installation q as indicated in the tables and shown in figure 1. Circuit spacing (S) is 24 and 36 in.

3.3.5 Cables in air

Cables in still air are rated at 40 °C ambient temperature, no solar heat and no wind. Cables in moving air are rated with ambient air at 40° C, solar effect at 95 W/ft² (horizontal) and 65 W/ft² (vertical) and wind speed of 2 ft/sec. Installation conditions include cables and conduits in horizontal position and non-ventilated vertical risers.

Coefficient of emissivity (ϵ) and absorptivity (α) are as follows:

Surface	No sun	Sun	
	ϵ	α	ϵ
Lead sheaths	0.30	0.30	0.30
Black jackets	0.92	0.95	0.92
Steel pipe	0.50	0.50	0.50

3.3.6 Conduit and duct diameters

Conduit and duct diameter are selected to provide a minimum of 0.75 in of clearances between O.D. of cable or circumscribed diameter of three triplexed cables and I.D. of conduit or duct. Minimum duct size is 5.047 I.D. with 0.250 in wall.

Conduit or duct sizes for steel or PVC are as follows:

Nominal diameter (in)	O.D. (in)	Wall (in)	I.D. (in)
2	2.375	0.154	2.067
3	3.500	0.216	3.068
4	4.500	0.237	4.026
5	5.563	0.258	5.047
6	6.625	0.280	6.065
8	8.625	0.322	7.981
10	10.75	0.365	10.02

3.4 Adjustments for change in parameter

3.4.1 Adjust for changes in ambient temperature

The ampacities in the tables of this standard are based on an ambient temperature of 25 °C for buried cables and 40 °C for cables in air. Ampacities may be corrected for different ambient temperatures using the following equation:

$$I' = \sqrt{\frac{T_c - T_a'}{T_c - T_a}} \times I$$

where

- T_c is maximum conductor temperature used in the tables
- T_a is ambient temperature used in the tables
- I is ampacity shown in tables for T_c and T_a
- T_a' is new ambient temperature
- I' is adjusted ampacity for ambient temperature T_a'

Ampacities for cables in air are calculated with the heat transfer parameters that are a function of temperature. The ampacities shown in the table were calculated iteratively to produce correct temperature gradients for each condition. Therefore, adjustments to the ambient air temperature will result in errors for the \bar{R}_{sd} and \bar{R}_e terms. Therefore, it is recommended that ampacities for aerial cables be re-calculated as needed.

3.4.2 Adjustment for change in maximum conductor temperature or temperature due to dielectric loss

The ampacities in the tables are based on various maximum conductor temperatures as shown in table 2. Also, the temperature rise due to dielectric loss (ΔT_d) is proportional to the dissipation factor and specific inductive capacitance (SIC). Therefore, if either the temperature of temperature rise is different than that used in the ampacity tables, the ampacity may be corrected using the following equation:

$$I' = \sqrt{\frac{T_c' - T_a - \Delta T_d'}{T_c - T_a - \Delta T_d}} \times \frac{\tau_c + T_c}{\tau_c + T_c'} \times I$$

where

- T_c is maximum conductor temperature used in the tables.
- T_a is ambient temperature used in the tables
- ΔT_d is temperature rise due to dielectric loss
- I is ampacity shown in tables for T_c , T_a and ΔT_d
- T_c' is new maximum conductor temperature
- $\Delta T_d'$ is new temperature rise due to dielectric loss
- τ_c is inferred temperature of zero electrical resistance (234.5 for copper conductors, 228.1 for aluminum conductors)

When $T_c' > T_c$ the above formula will give conservative values since it is based on the ratio of direct current losses at the two temperatures while the ratio of the alternating-current conductor and shield losses (if any) to direct-current conductor losses decreases with increasing conductor temperature. Deviations from true ampacities will depend on the conductor size, shield size and installation configuration. However, this correction is more precise for smaller and higher resistance shields.

3.5 Method of calculation

Calculations for buried cable systems are based on the procedures shown in [B4]. Calculations for cables or conduits in air are based on procedures shown in IEEE Std 738-1993, [B1], and [B2].

Due to the variety of operating conditions and many cable designs considered in this standard, the procedures shown in [B4] and IEEE Std 738-1993 have been modified or supplemented to improve the accuracy or to simplify the calculation procedure in some cases. The following gives an outline of the additions or modifications for the method of calculation.

3.5.1 Single phase cables

Current in the concentric neutral was assumed to be equal to half of the conductor current. Resistance of concentric neutral was equal to both full and one-half conductance of phase conductor. Q_s modified as follows:

$$Q_s = 1 + R_s/4R_{dc}$$

3.5.2 Dielectric loss

Dielectric losses were computed at rated voltage up to 138 kV and at 230 kV + 5%, 345 kV + 5%, and 500 kV + 5%.

3.5.3 Three conductor cables—thermal resistance of insulation

The thermal resistance of the insulation and shielding tapes for three conductor cables was calculated with methods shown in sections C3, C4, and C5 of IEC 287 (1982).

3.5.4 Conductor losses

NOTE—The source for equations 1, 2, 3, and 4 is NEMA WC50-1988/ICEA P-53-426.

3.5.4.1 Skin effect

Equation 21 of [B4] was replaced with the following equations:

$$Y_{cs} = F_{sp}(x)$$

where

$$x = \frac{R_{dc}}{k_s} \tag{1}$$

and

$$F_{sp}(x) = \frac{11.0}{\left(x + \frac{4}{x} - \frac{2.56}{x^2}\right)^2} \tag{2}$$

except where x has a value < 7.2 , then:

$$F_{sp}(x) = \frac{11.0(1 - 0.1102/x)}{\left(4 + \frac{4}{x} - \frac{2.56}{x^2}\right)^2} \tag{3}$$

3.5.4.2 Proximity effect

Equation 24 of [B4] was supplemental where $F(x_p)$ was calculated as follows:

$$F(x_p) = F_{sp}(x), \text{ where } x = \frac{R_{dc}}{k_p} \quad (4)$$

and $F_{sp}(x)$ is identical to equations 2 and 3.

3.5.5 Shield loss

NOTE—The source for equation 5 is NEMA WC50-1988/ICEA P-53-426.

Circulating current losses (Y_{sc}) were calculated for cables as described in 3.2.3 for cable geometries shown in figure 1 (except geometry l and p) using equations from table XIII in chapter 10 of [B5]. For items l and p of figure 1, general equations (number 17, 18, 19, 20, and 21) of [B3] were used to solve for shield currents \bar{I}_1 , \bar{I}_2 , and \bar{I}_3 .⁷ For all double circuits, shield currents are equal for cables A_1 and A_2 , B_1 and B_2 , and C_1 and C_2 (items f, h, l, and p of figure 1). Equation 27 of [B4] has been replaced by:

$$Y = \left[\frac{\bar{I}_n}{\bar{I}_b} \right]^2 \frac{R_s}{R_{dc}} \quad (5)$$

where $Y_{sc}^{(n)}$ is the ratio of the shield loss in cable n to the conductor direct current loss. The reference conductor current is $\bar{I}_B = 1 + j0$. \bar{I}_1 through \bar{I}_6 are the shield currents of cables A_1 , B_1 , C_1 , A_2 , B_2 , and C_2 . The phase sequence for vertical geometries (items f and h of figure 1) is

$$\begin{bmatrix} A & C \\ B & B \\ C & A \end{bmatrix}$$

and for horizontal geometries (items l and p of figure 1) is $ABC-CBA$.

The phase sequences assume a rotation where A indicates the leading phase and C indicates the lagging phase. However, for the single circuit arrangements shown in items k and o of figure 1, the maximum value of shield loss occurs on one of the outside cables for all possible phase sequences ($A-B-C$, $C-B-A$ or $A-C-B$) and the ampacity is not affected.

These solutions assume that the conductor currents of all phases are equal in magnitude, which may be an important consideration where two parallel circuits are tied to the same load buss. For the double circuit arrangements of items l and p of figure 1, alternate phase sequence arrangements $A_1-B_1-C_1-A_2-B_2-C_2$ or $A_1-A_2-B_1-B_2-C_1-C_2$ would result in a significant imbalance between conductor currents if the two circuits were operated in parallel from a common buss.

Eddy current losses (Y_{sc}) were calculated for all-metallic shields following the assumption that a path is present in the shields for the eddy currents to flow. Large cables with close spacing and open wire shields will therefore be conservatively rated for eddy current losses, as the losses cannot occur in open wire shields.

⁷Miller's equations assume that currents exist in the shield but not in the earth (shields bonded at more than one point but grounded at only one point). However, in cases where earth currents exist due to multiple ground, they are small because of the relatively high impedance of the earth. These small earth currents will not significantly affect the values of Y_{sc} .

3.5.6 Horizontal cables in air

NOTE— The source for equations 6, 7, 8, and 9 is IEEE Std 738-1993.

The external thermal resistance ($\bar{R}_{s,d'}$) for horizontal cables or conduit in air is calculated using the following equations:

$$\bar{R}_e' = \frac{n' \Delta T}{W_c + W_r} TOF \quad (6)$$

where

- n' is number of conductors within stated diameter
- ΔT is $T_s - T_a$ temperature difference between cable or conduit surface and ambient ($^{\circ}\text{C}$)
- W_c is W loss from free or forced convection (W/ft)
- W_r is W loss from radiation/W/ft

Free convection ($V = \text{wind velocity} = 0$)

$$W_c = 0.072 d^{0.75} \Delta T^{1.25} \quad (7)$$

where

- d is D_s' (in) per Neher-McGrath [B4]
- $\Delta T = T_s - T_a$

Forced convection ($V > 0$)

$W_c = \text{larger of } W_{c1} \text{ and } W_{c2}$

$$W_{c1} = [1.01 + 0.371 (d \rho_f V / \mu)^{0.52}] k_f \Delta T \quad (8)$$

$$W_{c2} = 0.1695 (d \rho_f V / \mu)^{0.6} k_f \Delta T \quad (9)$$

where

- d is D_s' (in) per Neher-McGrath
- ρ_f is air density (lb/ft^3) @ t_f
- t_f is air film temperature $(t_s - t_a)/2$ ($^{\circ}\text{C}$)
- V is velocity of air (ft/h)
- μ is absolute viscosity of air ($\text{lb}/\text{h}, \text{ft}$)
- k_f is thermal conductivity of air ($\text{w}/\text{ft}-^{\circ}\text{C}$)

$$W_r = 0.10256 D_s' \epsilon \Delta T (1 + 0.0167 T_m) \text{ W/ft (equation 55A of Neher-McGrath)}$$

where

- ϵ is emissivity of cable or conduit surface

3.5.7 Vertical cables in air-cable riser

NOTES

1— The source for equations 10, 11, 12, 13, and 14 is [B1] and [B2].

2— An * (asterisk) is used to note that Nu (Nusselt number), Gr (Grashof number) and Pr (Prandtl number) are non-dimensionalized and may be calculated with U.S. standard or metric units.

The internal thermal resistance (\bar{R}_{sd}) between cable surface and riser conduit surface is calculated using the following equations:

$$\bar{R}_{sd} = \frac{n' \Delta T}{W_{cv} + W_r} TOF$$

where

n = number of conductors within a stated diameter

$\Delta T = T_j - T_{ik}$ = temperature difference between cable surface and inside surface of riser

$$W_r = \frac{hA\Delta T}{x}$$

where

$$h = \frac{N_u k_f}{x}$$

therefore

$$W_{cv} = \frac{0.083 k_f N_u \pi d \Delta T}{x} \text{ W/ft}$$

where

k_f is thermal conductivity of air (W/ft °C)

N_u is Nusselt number

d is D_s' , circumscribed diameter of cables (in) (Neher-McGrath)

x is height of riser (ft)

$$*N_u = C(GrPr)^m$$

$$*Gr = \frac{g\beta\Delta T x^3}{\mu k^2}$$

$$*Pr = \frac{C_p \mu_k}{k_f} \approx 0.7)$$

where

- x is height of riser
- β is expansion coefficient of air
- g is acceleration of gravity
- μ_k is kinematic viscosity of air
- C_p is specific heat of air
- k_f is thermal conductivity of air

for $10^4 \geq GrPr \leq 10^9$, $C = 0.59$, $m = 0.25$

for $10^9 > GrPr \geq 10^{19}$, $C = 0.21$, $m = 0.4$

W_r (equation 55A Neher-McGrath) except convert ϵ (surface emissivity) to an effective emissivity (ϵ_{eff})

$$\epsilon_{eff} = \frac{1}{\left[\frac{1}{\epsilon_c} + \frac{d}{D} \left(\frac{1}{\epsilon_r} - 1 \right) \right]} \quad (12)$$

where

- ϵ_c is cable surface emissivity
- ϵ_r riser surface emissivity
- d is D_s
- D is I.D. of riser

The external thermal resistance (\bar{R}_e) between riser surface and ambient air is calculated using the following equations:

$$\bar{R}_e = \frac{n' \Delta T}{W_{cv} + W_r} TOF \quad (13)$$

where

n' is number of conductors within a stated diameter

$\Delta T = T_k - T_a$, temperature difference between outside surface of riser and ambient air.

$$W_{cv} = \frac{hA\Delta T}{x}$$

$$h = \frac{Nu_x k_f}{x}$$

$$W_{cv} = \frac{0.083 k_f Nu_x \pi D \Delta T}{x} \text{ W/ft} \quad (14)$$

where

- k_f is thermal conductivity of air (W/ft-°C)
 Nu_x is Nusselt number
 D is outside diameter of riser (in)
 x is height of riser (ft)

$$*Nu_x = C(Gr_x Pr)^m$$

$$*Gr_x = \frac{g\beta q_w x^4}{k_f \mu_k^2}$$

$$*Pr = \frac{C_p \mu_k}{k_f} (\approx 0.7)$$

where

- x is expansion coefficient of air
 g is acceleration of gravity
 μ_k is kinematic viscosity of air
 C_p is specific heat
 k_f is thermal conductivity of air
 q_w is heat flux on riser surface in W per unit area
 q_w is $(W_{cv} + W_r)/\pi D$

for $10^5 \geq Gr_x \leq 10^{11}$, $C = 0.6$, $m = 0.4$

for $10^{11} > Gr_x \leq 10^{16}$, $C = 0.17$, $m = 0.25$

W_r (equation 55A Neher-McGrath) except ϵ = riser emissivity and $T_m = 0.5(T_a + T_k)$

where

- T_k is temperature of riser surface (°C)
 T_a is ambient temperature (°C)

3.6 Definition of constants

Various constants are tabulated for cables rated 69 kV and above. These constants may be used to verify methods of calculation or for comparison between cable ratings.

- \bar{R}_i is thermal resistance of insulation wall (TOF)
 \bar{R}_j is thermal resistance of jacket (TOF)
 \bar{R}_{sd} is thermal resistance from cable surface to inside surface of duct, conduit or vertical riser (TOF)
 \bar{R}_d is thermal resistance of non-metallic conduit or duct wall (TOF)
 \bar{R}_s is thermal resistance from cable or conduit surface to ambient earth including mutual heating from all other cables (buried cables). Thermal resistance from cable conduit or riser surface to ambient air (aerial cables) (TOF).
 Q_s is average effective ratio of conductor pulse shield loss to conductor loss.

For the case of N 1/c spaced cables, the losses in each cable are different. The average effective loss is defined as follows:

$$Q_s = \frac{\sum_{m=1}^N [Q_s(m) R(n, m)]}{\sum_{m=1}^N [R(n, m)]}$$

where

- N is number of spaced cables
- n is hottest cable
- m is index of each cable

For $m \neq n$: $R(n, m) =$ mutual thermal resistance between cables m and n .

For $m=n$: $R(n, m) = \bar{R}_j + \bar{R}_{sd} + \bar{R}_d + \bar{R}_e(n)$

- Q_e is ratio of “conductor + shield + conduit or pipe loss” to “conductor loss”
- R_{ac} is ac resistance at the conductor ($\mu\Omega/\text{ft}$)
- W_d is dielectric loss (W/ft)

Total W/ft is tabulated corresponding to each ampacity. The losses are included for all cables in the circuit.

Total W/ft^2 is tabulated for single conductor and three conductor cables (types 1–10) that are direct buried. The effective outside diameters for the cable geometries are as follows:

Cable	Diameter
3-1/c cables direct buried	$1.587 \times \text{O.D. of one cable}$
3-1/c cable in conduit	O.D. of conduit
1-1/c cable direct buried	O.D. of cable
1-1/c cable in conduit	O.D. of conduit
1-3/c cable direct buried	O.D. of 3/c cable

Shield resistance is shown in $\mu\Omega/\text{ft}$ at 20 °C.

Neutral size is shown as a conductance ratio of metallic shield size to phase conductor size.

4. Bibliography

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[B3] Miller, K. W., "Sheath Currents, Sheath Losses, Induced Sheath Voltages and Apparent Conductor Impedances of Metal Sheathed Carrying Alternating Current." Thesis, University of Illinois Graduate School, Chicago, 1929.

[B4] Neher, J. H. and McGrath, M. H., "The Calculation of the Temperature Rise and Load Capability of Cable Systems," *A.I.E.E. Transactions*, vol. 76, pt. III, pp. 752-772, Oct. 1957.

[B5] *Underground Systems Reference Book*, EEI Publication 55-16, Edison Electric Institute, New York, 1957.

Annex A Electrical/thermal circuit

(normative)

A.1 Electrical/thermal analog circuit

Steady-state temperature rise calculations for insulated cable systems are made using the Neher-McGrath method for all buried cables and the House & Tuttle (IEEE Std 738-1993) method for cables in air. These analytical methods are employed through the application of thermal equivalents of Ohm's and Kirchoff's Laws to a simple thermal circuit which is described in figure A1.

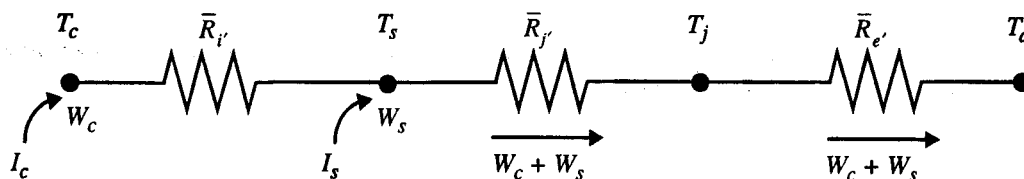


Figure A1—Application of thermal equivalents of Ohm's and Kirchoff's Laws to a simple thermal circuit

where

- I_c is current in the conductor (A)
- W_c is W generated in the conductor (heat) (W/ft)
- I_s is current in the metallic shield (A)
- W_s is W generated in the shield
- $W_c + W_s$ is W generated in the conductor and shield (W/ft)
- T_c is temperature of the conductor ($^{\circ}\text{C}$)
- T_s is temperature of the shield ($^{\circ}\text{C}$)
- T_j is temperature of jacket ($^{\circ}\text{C}$)
- T_a is ambient temperature ($^{\circ}\text{C}$)
- \bar{R}_i is thermal resistance of insulation [Thermal Ohm Feet (TOF)]
- \bar{R}_j is thermal resistance of jacket (can also include conduits) (TOF)
- \bar{R}_e is thermal resistance of the earth or external thermal circuit (air, duct bank, etc.) (TOF)

Define circuit equivalents and collect terms:

$$T_c = W_c \bar{R}_i' + (W_c + W_s) \bar{R}_j' + (W_c + W_s) \bar{R}_e' + T_a$$

$$T_c - T_a = W_c \bar{R}_i' + (W_c + W_s) \bar{R}_j' + (W_c + W_s) \bar{R}_e'$$

Divide by W_c

$$\frac{T_c - T_a}{W_c} = \bar{R}_i' + \left(\frac{W_c + W_s}{W_c}\right)\bar{R}_j' + \left(\frac{W_c + W_s}{W_c}\right)\bar{R}_e'$$

Let $Q_s = \frac{W_c + W_s}{W_c}$ (Ratio of losses in the conductor and shield to the conductor)

then

$$\frac{T_c - T_a}{W_c} = \bar{R}_i' + Q_s\bar{R}_j' + Q_s\bar{R}_e'$$

NOTE—The right side of the above equation is designated \bar{R}_{ca}' , as in equation 8 of Neher-McGrath [B4] where \bar{R}_{ca}' is the total thermal resistance between the conductor and ambient.

then

$$T_c - T_a = W_c \bar{R}_{ca}'$$

where

$$\begin{aligned} W_c &= I^2 Rdc (1 + Y_c) \\ &= \text{current in conductor} \\ Rdc &= \text{dc resistance of conductor} \\ (1 + Y_c) &= \text{skin and proximity effects} \end{aligned}$$

therefore

$$T_c - T_a = I^2 Rdc (1 + Y_c) \times \bar{R}_{ca}'$$

Solve for I :

$$I = \sqrt{\frac{T_c - T_a}{Rdc (1 + Y_c) \times \bar{R}_{ca}'}} \times 10^3 \text{ A (equation 9 in Neher-McGrath)}$$

When dielectric losses are present in the cable system the additional losses are present and result in temperature rise expressed as:

$$\Delta T_d = W_d \bar{R}_{da}' \text{ } ^\circ\text{C (equation 6 in Neher-McGrath)}$$

From equation 9 in Neher-McGrath, it follows that the temperature rise due to dielectric loss is calculated as follows:

$$I = \sqrt{\frac{T_c - (T_a + \Delta T_d)}{Rdc (1 + Y_c) \times \bar{R}_{ca}'}} \times 10^3 \text{ A}$$

A.2 Calculation examples

Equations are numbered identical to those shown in [B4]. The remaining equations are identified from IEEE Std 738-1993 or NEMA WC50-1988/ICEA P-53-426, and are noted separately.

A.2.1 Example 1: 3-1/c 350 kcmil aluminum, 600 V cables installed in a 3 inch PVC conduit in the earth

Calculation example for:

3-1/c 350 kcmil aluminum conductor cables, 600 V, XHHW insulated (0.095 in wall) installed in 3 inch PVC conduit, buried 36 inches in earth.

Earth thermal resistivity: 120 °C cm/W (ρ_e)

Ambient earth temperature: 25 °C

Load factor: 75%

Operating temperature: 90 °C

Cable Dimensions

O.D. over conductor: 0.681 in

O.D. over insulation: 0.871 in

* Circumscribed diameter = $2.15 \times 0.871 = 1.873$ in

Conductor resistance

R_{dc} of 350 kcmil aluminum cable = 50.5 $\mu\Omega$ /ft @ 25 °C (value from tables)

Temperature correction

$$R_{dc} = \frac{228.1 + 90}{228.1 + 25} \times 50.5 = 63.47 \text{ microhms/ft @ } 90 \text{ }^\circ\text{C}$$

Skin effect

$$Y_{cs} = F_{sp}(x)$$

where

$$k_s = \text{ and } F_{sp}(x) = \frac{11.0}{\left(x + \frac{4}{x} - \frac{2.56}{x^2}\right)^2} \text{ (equation F2 of NEMA WC50-1988/ICEA P-53-426)}$$

$$x = \frac{R_{dc}}{k_s}$$

$$x = \frac{63.47}{1} = 63.47$$

$$F_{sp}(x) = \frac{11.0}{\left(63.47 + \frac{4}{63.47} - \frac{2.56}{(63.47)^2}\right)^2}$$

$$F_{sp}(x) = 0.0027$$

Proximity effect

where

$$F(xp) = F_{sp}(x)$$

$$x = \frac{Rdc}{k_p}$$

$$Y_{cp} = F_{xp} \left(\frac{Dc^2}{s}\right) \times \left[\frac{1.18}{F(xp) + 0.27} + 0.312 \left(\frac{Dc}{s}\right)^2 \right] \text{ (equation 24)}$$

$$Y_{cp} = 0.0027 \left(\frac{0.681}{0.871}\right)^2 \times \left[\frac{1.18}{0.0027 + 0.27} + 0.312 \left(\frac{0.681}{0.871}\right)^2 \right]$$

$$Y_{cp} = 0.0075$$

AC resistance

$$R_{ac} = Rdc (1 + Y_{cs} + Y_{cp}) \text{ (equation 20)}$$

$$R_{ac} = 63.47 (1 + 0.0027 + 0.0075)$$

$$R_{ac} = 64.12 \text{ microhm/ft @ } 90 \text{ }^\circ\text{C}$$

Thermal resistances

Insulation

$$\bar{R}'_i = 0.012 \bar{\rho}_i \log \frac{D_i}{D_c} \text{ TOF (equation 38)}$$

$$\bar{R}'_i = 0.012 (350) \log \frac{0.871}{0.681}$$

$$\bar{R}'_i = 0.449 \text{ TOF}$$

Cable to conduit

$$\frac{n'A}{1 + (B + CTm) D_s'} \text{ TOF (Equation 41)}$$

$$\frac{3 (17)}{+ [2.3 + 0.024 (70)] (2.15 \times 0.871)}$$

$$R_{sd} = 6.033 \text{ TOF}$$

Conduit wall**Dimensions**

O.D: 3.50 in

I.D.: 3.068 in

Wall: 0.216 in

$$\bar{R}_c' = 0.0104 \rho_c n' \left(\frac{t}{D-t} \right) \text{ TOF (Equation 40)}$$

$$\bar{R}_c' = 0.0104 \times 600 \times 3 \left(\frac{0.216}{3.50 - 0.216} \right)$$

$$\bar{R}_c' = .232 \text{ TOF}$$

Thermal diffusivity (Dx calculation)

$$D_x = 1.02 \sqrt{\alpha \times 24 \text{ hrs.}} \text{ (equation 45)}$$

ere

$$\alpha = \frac{104}{\rho_e^{0.8}}$$

$$\alpha = \frac{104}{120^{0.8}} = 2.26 \text{ in}^2/\text{h}$$

$$D_x = 1.02 \sqrt{2.26 \times 24}$$

$$D_x = 7.51 \text{ in}$$

Earth to ambient

$$R_e' = 0.012 \rho_e' n' \left[\log \frac{D_x}{D_e} + LF \log \left(\frac{4L}{D_x} \right) \right] \text{ TOF (equation 44)}$$

where

$$D_x = 7.51 \text{ in}$$

$$L = 36 \text{ in}$$

$$F = 1$$

$$D_e = 3.5 \text{ in}$$

$$LF = 0.3lf + 0.7(lf)^2 \text{ (equation 3)}$$

$$R_e' = (0.012) (120) (3) \left[\log \frac{7.51}{3.5} + 0.62 \log \left(\frac{4 \times 36}{7.51} \right) 1 \right]$$

$$R_e' = 4.868 \text{ TOF}$$

Total effective thermal resistance

$$\bar{R}_{ca}' = \bar{R}_i' + \bar{R}_{sd}' + \bar{R}_c' + \bar{R}_e' \text{ (equation 8) NOTE—} Q_s \text{ term drops out with unshielded cables}$$

$$= 0.449 + 6.033 + 1.232 + 4.868$$

$$= 12.58 \text{ TOF}$$

Ampacity

$$I = \sqrt{\frac{T_c - T_a}{Rdc (1 + Y_c) \bar{R}_{ca}'}} \text{ kA (equation 9)}$$

$$I = \sqrt{\frac{90 - 25}{(64.12) (12.58)}} = 0.284 \times 10^3 \text{ A}$$

$$I = 284 \text{ A for cables in 3 inch buried conduit}$$

Revise calculation for same cables directly buried in the earth.

Thermal resistance to earth to ambient

**New effective diameter $-1.594 \times 0.871 = 1.39 \text{ in}$

$$\bar{R}_e' = (0.012) (120) (3) \left[\log \frac{7.51}{1.39} + 0.62 \log \left(\frac{4 \times 36}{7.51} \right) 1 \right]$$

$$\bar{R}_e'$$

Total effective thermal resistance

$$\bar{R} = \bar{R}' + \bar{R}$$

$$\bar{R} = 0.449 + 6.60$$

$$\bar{R} = 7.049 \text{ TOF}$$

Ampacity

$$I = \sqrt{\frac{90 - 25}{(64.12)(7.049)}} = 0.379 \times 10^3$$

$$I = 379 \text{ A (directly buried)}$$

*Diameter for convective heat transfer

**Effective diameter to account for superposition and mutual heating for conduction

A.2.2 Example 2: 3-1/c 250 kcmil aluminum, 35 kV, wire shielded, XLPE cables installed in separate 3 inch PVC conduits, buried flat

Calculation example for:

3-1/c kcmil aluminum conductor cables, 35 kV, cross-linked polyethylene insulated (0.345 inch wall), 12#14 AWG copper concentric wire shield, with 0.080 inch PVC jacket over each cable.

Circuit installed in three 3 inch PVC conduits, spaced flat, buried 36 inches in the earth

Earth thermal resistivity: 60 °C-cm/W

Ambient temperature: 25 °C

Load factor: 100%

Operating temperature: 90 °C

Cable shields are multi-point bonded and grounded.

Cable dimensions

O.D. over conductor: 0.558 in

O.D. over conductor shield: 0.558 in

O.D. over insulation: 1.278 in

O.D. over insulation shield: 1.358 in

O.D. over metallic shield: 1.486 in

O.D. over jacket: 1.646 in

Conductor resistance

R_{dc} for 250 kcmil aluminum conductor = 70.8 $\mu\Omega$ /ft @ 25 °C (value from tables)

Temperature Correction

$$R_{dc} = \frac{228.1 + 90}{228.1 + 25} \times 70.8 = 88.98 \text{ microhms/ft @ } 90 \text{ }^\circ\text{C}$$

Skin effect

$$Y_{cs} = F_{sp}(x) = \frac{11.0}{\left(x + \frac{4}{x} - \frac{2.56}{x^2}\right)^2} \text{ (equation F2 of NEMA WC50-1988/ICEA P-53-426)}$$

where

$$k_s = 1$$

$$x = \frac{R_{dc}}{k_s} \text{ and } x = \frac{88.98}{1}$$

$$x = F_{sp}(x) = \frac{11.0}{\left(88.98 + \frac{4}{2.56}\right)}$$

$$F_{sp}(x) = 0.001$$

Proximity effect

where

$$F(xp) = F_{sp}(x)$$

$$x = \frac{R_{dc}}{k_p}$$

$$k_p = 1$$

$$Y_{cp} = F(xp) \left(\frac{D_c}{S}\right)^2 \times \left[\frac{1.18}{F(xp) + 0.27} + 0.312 \left(\frac{D_c}{S}\right)^2 \right] \text{ (equation 24)}$$

$$Y_{cp} = 0.001 \left(\frac{0.558}{7.5}\right)^2 \times \left[\frac{1.18}{0.001 + 0.27} + 0.312 \left(\frac{0.558}{7.5}\right)^2 \right]$$

$$Y_{cp} = 0.00024 \text{ (negligible)}$$

AC resistance

$$R_{ac} = R_{dc} (1 + Y_{cs} + Y_{cp}) \text{ (equation 20)}$$

$$R_{ac} = 88.98 (1 + 0.001)$$

$$= 89.07 \text{ microhms/ft @ } 90 \text{ }^\circ\text{C}$$

Shield resistance

$$R_s = \frac{\rho_s L_f}{n d^2} \text{ microhms/ft @ } 25 \text{ }^\circ\text{C} \text{ (equation E-1 of NEMA WC50-1988/ICEA P-53-426)}$$

where

ρ_s = resistivity of copper shield: 10.575 Ω cm ft @ 25 $^\circ\text{C}$

L_f = lay factor 1.05 (increase in length due to helical application)

n = number of wires = 12

d = diameter of each wire (#14AWG) = 0.0641 in

$$R_s = \frac{(10.575) (1.05)}{12 (0.0641)^2} = 225.21 \times 10^{-6} \text{ ohms/ft}$$

$$R_s = 225.21 \text{ microhms/ft @ } 25 \text{ }^\circ\text{C (1/3 neutral)}$$

$$R_s \text{ @ } 80 \text{ }^\circ\text{C} = \frac{234.5 + 80}{234.5 + 25} \times 225.21$$

$$272.93 \text{ microhms/ft @ } 80 \text{ }^\circ\text{C}$$

Mutual reactance (conductor to shield)

$$X_M = 0.882 \log \frac{2S}{Dsm} \text{ microhms/ft (equation 28)}$$

$$0.882 (60) \log \frac{2 \times 7.5}{1.422} Dsm = 1.358 + 0.641 = 1.422$$

$$54.15 \text{ microhms/ft}$$

$$Y_{se} \text{ (eddy current)} = 0 \text{ (no path in shield for eddy currents)}$$

Ratio of losses

$$Q_s = \frac{W_c + W_s}{W_c} = + \frac{W_s}{W_c} \text{ (equation 18)}$$

$$\frac{W_s}{W_c} = \left(\frac{I_s}{I_c} \right)^2 \frac{R_s}{R_{ac}} \text{ (equation F6 of NEMA WC50-1988/ICEA P-53-426)}$$

therefore

$$Q_s = + \left(\frac{I_s}{I_c} \right)^2 \times \frac{R_s}{R_c}$$

where

W_s = shield loss due to circulating currents in W/ft

W_c = conductor loss including skin and proximity effects in W/conductor ft

I_s = current in metallic shield

I_c = current in phase conductor

$$\left(\frac{I_{s1}}{I_c} \right)^2 = \frac{(P^2 + 3Q^2) + 2\sqrt{3}(P - Q) + 4}{4(P^2 + 1)(Q^2 + 1)}$$

$$\left(\frac{I_{s2}}{I_c} \right)^2 = \frac{1}{Q^2 + 1}$$

$$\left(\frac{I_{s_3}}{I_c}\right)^2 = \left(\frac{(P^2 + 3Q^2) - 2\sqrt{3}(P - Q) + 4}{4(P^2 + 1)(Q^2 + 1)}\right)$$

here

$$P = \frac{R_s}{Y} \text{ and } Q = \frac{R_s}{Z}$$

$$Y = X_M + a$$

$$Z = X_M - (a/3)$$

$$a = 15.93$$

$$Y = 54.15 + 15.93 = 70.08$$

$$Z = 54.15 - (15.93/3) = 48.84$$

$$P = \frac{272.93}{70.08} = 3.895$$

$$Q = \frac{272.93}{48.84} = 5.588$$

$$\left(\frac{I_{s_1}}{I_c}\right)^2 = \frac{(3.895)^2 + 3(5.588)^2 + 3.464(3.895 - 5.588) + 4}{4(3.895^2 + 1)(5.588^2 + 1)} = 0.0513$$

$$\left(\frac{I_{s_2}}{I_c}\right)^2 = \frac{1}{5.588^2} = 0.0310$$

$$\left(\frac{I_{s_3}}{I_c}\right)^2 = \frac{(3.895)^2 + 3(5.588)^2 + 3.464(3.895 - 5.588) + 4}{4(3.895^2 + 1)(5.588^2 + 1)} = 0.05695$$

$$Q_{s_1} = 1 + \left(\frac{I_{s_1}}{I_c}\right)^2 \times \frac{R_s}{R_{AC}}$$

$$Q_{s_1} = 1 + \frac{0.0513(272.93)}{89.07}$$

$$Q_{s_1} = 1.157$$

$$Q_{s_2} = 1 + \left(\frac{I_{s_2}}{I_c} \right)^2 \times \frac{R_s}{R_{ac}}$$

$$Q_{s_2} = \frac{1 + 0.0310 (272.93)}{89.07}$$

$$Q_{s_2} = 1.095$$

$$Q_{s_3} = 1 + \left(\frac{I_{s_3}}{I_c} \right)^2 \times \frac{R_s}{R_{AC}}$$

$$= 1 + \frac{0.05695 (272.93)}{89.07}$$

$$x_{s_3} = 1.175$$

Thermal resistances

Insulation

$$\bar{R}_i' = 0.012 \bar{\rho}_e \log \frac{D_i}{D_c} \text{ thermal ohm feet (TOF) (equation 38)}$$

$$\bar{R}_i' = 0.012 (350) \log \frac{1.358}{0.558}$$

$$\bar{R}_i' = 1.662 \text{ TOF}$$

Cable jacket

$$\bar{R}_j' = 0.0104 \bar{\rho}_j n \left(\frac{t}{D-t} \right) \text{ TOF (equation 40)}$$

$$0.0104 (500) (1) \left(\frac{0.080}{1.646 - 0.080} \right)$$

$$\bar{R}_j' = 0.266 \text{ TOF}$$

Cable surface to conduit

$$\bar{R}_{sd}' = \frac{n'A}{1 + (B + CTm) D_s'} \text{ TOF (equation 41)}$$

$$\frac{1 (17)}{1 + [2.3 + 0.024 (70)] (1.646)}$$

$$\bar{R}_{sd}' = 2.251 \text{ TOF}$$

Conduit wall

$$\bar{R}_d' = 0.0104 \rho_c n' \left(\frac{t}{D-t} \right) \text{TOF} \quad (\text{equation 40})$$

where

$$D = 3.5 \text{ in}$$

$$t = 0.216 \text{ in}$$

$$\bar{R}_d' = 0.0104 (600) (1) \left(\frac{0.216}{3.5 - 0.216} \right)$$

$$\bar{R}_d' = 0.410 \text{ TOF}$$

Earth thermal resistance

$$\bar{R}_e' = 0.012 \rho_e n' \left[\log \frac{D_x}{D_e} + LF \log \left(\frac{4L}{D_x} \right) F \right] \quad (\text{equation 44})$$

where

$$n' = 1$$

$$LF = 1$$

$$\bar{R}_e' = 0.012 \rho_e \log \frac{D_x}{D_e} + 0.012 \rho_e \log \frac{4L}{D_x} + 0.012 \rho_e \log F$$

where

F = the mutual heating term in equation 46 (center cable hottest)

$$F = \frac{D_{21}'}{D_{21}} \times \frac{D_{23}'}{D_{23}} \quad (\text{equation 46})$$

$$D_{21}' = D_{23}' = \sqrt{72^2 + 7.5^2} = 72.4 \text{ in}$$

$$D_{21} = D_{23} = 7.5 \text{ in}$$

$$\frac{D_{21}'}{D_{21}} = \frac{72.4}{7.5} = 9.65$$

$$\frac{D_{23}'}{D_{23}} = 9.65$$

Thermal diffusivity (equation 45)

$$D_x = 1.02 \sqrt{\alpha \times 24 \text{ h}}$$

where

$$\alpha = \frac{104}{\rho_e^{0.8}}$$

$$\alpha = \frac{104}{60^{0.8}} = 3.93 \text{ in}^2/\text{h}$$

$$D_c = .02\sqrt{3.93 \times 24} = 9.91 \text{ in}$$

$$= \bar{R}_e' + \bar{R}_i + \bar{R}_{21}' + \bar{R}_{23}'$$

$$\bar{R}_{e_1}' = 0.012\rho_e \log \frac{D_c}{D_r} \text{ TOF (equation 44 refined)}$$

$$\bar{R}_{e_1}' = 0.012 (60) \log \left(\frac{9.91}{3.5} \right)$$

$$\bar{R}_i = 0.325 \text{ TOF}$$

$$\bar{R}_d = 0.012\rho_e \log \left(\frac{4L}{D_r} \right) \text{ TOF (equation 44 refined)}$$

$$\bar{R}_{e_2}' = 0.012 (60) \log \left(\frac{4 \times 36}{9.91} \right)$$

$$\bar{R}_{e_2}' = 0.837 \text{ TOF}$$

$$\bar{R}_{21}' = 0.012\rho_e \log \left(\frac{D_{21}'}{D_{21}} \right) \text{ (equation 44 refined)}$$

$$\bar{R}_{21}' = 0.012 (60) \log 9.65$$

$$\bar{R}_{21}' = 0.709 \text{ TOF}$$

$$\bar{R}_{23}' = 0.709 \text{ TOF}$$

Total thermal resistance (center cable hottest)

$$\bar{R}_c = \bar{R}_i + Q_{s2}(\bar{R}_j' + \bar{R}_{sd}' + \bar{R}_d + \bar{R}_{e_1}' + \bar{R}_{e_2}') + Q_{s1}(\bar{R}_{21}') + Q_{s3}(\bar{R}_{23}') \text{ (equation 8 refined)}$$

$$1.622 + 1.095 (0.266 + 2.251 + 0.410 + 0.325 + 0.837) + 157 (0.709) + 175 (0.709)$$

$$\bar{R}_{ca}' = 7.752 \text{ TOF}$$

Temperature rise due to dielectric loss

$$\Delta T_d = W_d \bar{R}_{da}' \text{ } ^\circ\text{C (equation 6)}$$

$$\bar{R}_{da}' = \bar{R}_i'/2 + \bar{R}_j' + \bar{R}_{sd}' + \bar{R}_d' + \bar{R}_e' \text{ at unity loss factor}$$

$$\bar{R}_{da}' = \frac{1.622}{2} + 0.266 + 2.251 + 0.410 + 2.580$$

$$\bar{R}_{da}' = 6.318 \text{ TOF}$$

$$W_d = \frac{0.00276 E^2 \epsilon_r \tan \delta}{\log \frac{D_i}{D_c}} \text{ (equation 36 for 60 Hz)}$$

here

E = voltage across dielectric = 20 kV

ϵ_r = SIC of insulation 2.3

δ = dissipation factor 0.1%

D_i = diameter over insulation

D_c = diameter over conductor

$$W_d = \frac{0.00276 \times (20)^2 (2.3) (0.001)}{\log \frac{1.278}{0.588}}$$

$$W_d = 0.0075 \text{ W/ft}$$

$$\Delta T_d = W_d \bar{R}_{da}' \text{ }^\circ\text{C}$$

$$\Delta T_d = (0.0075) (6.318)$$

$$\Delta T_d = 0.048 \text{ }^\circ\text{C (negligible)}$$

Ampacity calculation

$$I = \sqrt{\frac{T_c - (T_a + \Delta T_d)}{T_{dc} (1 + Yc) (\bar{R}_{ca}')}} \text{ kA (equation 9)}$$

$$I = \sqrt{\frac{90 - (25)}{(89.07) (7.752)}} = 0.307 \times 10^3$$

$$I = 307 \text{ A}$$

A.2.3 Example 3: 3-1/c 2000 kcmil copper, 15 kV, tape shielded, EPR cables installed in a 6 inch PVC in still air

Calculation example for:

3-1/c 2000 kcmil copper conductor cables, 15 kV, EPR insulated (0.220 inch wall), half lapped 0.005' copper tape shield, with 0.110 inch PVC jacket over each cable. Circuit installed in one 6 inch PVC conduit in a horizontal position in still air (no sun)

- Ambient temperature: 40 °C
- Operating temperature: 90 °C
- Cable shield are multipoint bonded and grounded

Cable dimensions

- O.D. over conductor: 1.583 in
- O.D. over conductor shield: 1.653 in
- O.D. over insulation: 2.093 in
- O.D. over insulation shield: 2.193 in
- O.D. over metallic shield: 2.237 in
- O.D. over jacket: 2.457 in
- Circumscribed diameter: $2.15 \times 2.457 = 5.283$ in

Conductor resistance

R_{dc} of 2000 kcmil copper (class B): 5.39 $\mu\Omega$ /ft @ 25 °C

Temperature correction

$$\frac{234.5 + 90}{234.5 + 25} \times 5.39 = 6.74 \mu\Omega/\text{ft} @ 90 \text{ }^\circ\text{C}$$

Skin effect

$$Y_{cs} = F_{sp}(x)$$

where

$$ks =$$

$$x = \frac{R_{cd}}{ks}$$

$$F_{sp}(x) = \frac{11.0(1 - 0.1102/x)}{\left(x + \frac{4}{x} - \frac{2.56}{x^2}\right)^2} \text{ (equation F3 of NEMA WC50-1988/ICEA P-53-426)}$$

and

$$x = \frac{6.74}{1} = 6.74$$

$$F_{sd}(x) = \frac{11(1 - 0.102/6.74)}{\left(6.74 + \frac{4}{6.74} - \frac{2.56}{(6.74)^2}\right)^2}$$

$$F_{sp}(x) = 0.2043$$

Proximity effect

where

$$F(xp) = F_{sp}(x)$$

$$x = \frac{R_{dc}}{k_p}$$

and

$$k_p = 1$$

$$Y_{cp} = F(xp) \left(\frac{D_c}{S}\right)^2 \times \left[\frac{1.18}{F(xp) + 0.27} + 0.312 \left(\frac{D_c}{S}\right)^2 \right] \text{ (equation 24)}$$

$$Y_{cp} = 0.2043 \left(\frac{1.583}{2.457}\right)^2 \times \left[\frac{1.18}{0.2043 + 0.27} + 0.312 \left(\frac{1.583}{2.457}\right)^2 \right]$$

$$Y_{cp} = 0.222$$

AC resistance

$$R_{ac} = R_{dc} (1 + Y_{cs} + Y_{cp}) \text{ (equation 20)}$$

$$R_{ac} = 6.74 (1 + 0.2043 + 0.222)$$

$$R_{ac} = 9.613 \mu\Omega/\text{ft} @ 90^\circ\text{C}$$

Shield resistance

$$R_s = \frac{\rho_s K}{4D_{sm}t} \text{ (equation E4 of NEMA WC50-1988/ICEA P-53-426)}$$

where

ρ_s = resistivity of coated copper (Ω cm/ft)

K = increase in resistance due to contact resistance of helical tape overlap = (2 normally used)

D_{sm} = mean diameter of metallic shield (in)

= thickness (in)

$$\frac{(10.787)(2)}{4(2.227)(0.005)} = 484.37 \mu\Omega/\text{ft} @ 25^\circ\text{C}$$

$$R_s @ 80^\circ\text{C} = \frac{234.5 + 80}{234.5 + 25} \times 484.37$$

$$R_s = 587.03 \mu\Omega/\text{ft} @ 80^\circ\text{C}$$

Shield losses

$$Q_s = 1 + \frac{Y_s}{1 + \dots} \quad (\text{equation 18})$$

where

$$Y_s = Y_{sc} + Y_{se}$$

Circulating current losses

$$\frac{R_s/R_{dc}}{1 + (R_s/X_m)^2} \quad (\text{equation 27})$$

where

$$X_m = 0.882 f \log \frac{2S}{D_{sm}} \mu\Omega/\text{ft} \quad (\text{equation 28})$$

$$X_m = 0.882 (60) \log \frac{2(2.457)}{2.227}$$

$$X_m = 18.19 \mu\Omega/\text{ft}$$

$$Y_{sc} = \frac{587.03/6.74}{1 + (587.03/18.19)^2}$$

$$Y_{sc} = 0.084$$

Eddy current effect

$$Y_{se} = \frac{3R_s/R_{dc}}{\left(\frac{5.2R_s}{f}\right)^2 + 0.2\left(\frac{2S}{D_{sm}}\right)} \times \left(\frac{D_{sm}}{2S}\right)^2 \times \left[\dots \right]$$

$$Y_{se} = \frac{3(587.03)/6.74}{\left(\frac{5.2(587.03)}{60}\right)^2 + 0.2\left(\frac{2 \times 2.457}{2.227}\right)} \times \left(\frac{2.2}{2 \times 2}\right)$$

$$Y_{sc} = 0.023$$

Ratio of losses

$$Q_s = 1 + \frac{0.084 + 0.023}{1 + (0.2043 + 0.222)}$$

$$Q_s = 1.075$$

Thermal resistances**Insulation**

$$\bar{R}_i' = 0.012 \rho_i \log \frac{D_i}{D_c} \text{ TOF (equation 38)}$$

$$\bar{R}_i' = 0.012 (350) \log \frac{2.193}{1.583}$$

$$\bar{R}_i' = 0.594 \text{ TOF}$$

Cable jacket

$$\bar{R}_j' = 0.0104 \rho_j n' \left(\frac{t}{D-t} \right) \text{ TOF (equation 40)}$$

$$\bar{R}_j' = 0.0104 (500) (1) \left(\frac{0.110}{2.457 - 0.110} \right)$$

$$\bar{R}_j' = 0.244 \text{ TOF}$$

Cable surface to conduit

$$\bar{R}_{sd}' = \frac{n'A}{1 + (B + CT_m) D_s'} \text{ TOF (equation 41)}$$

$$\bar{R}_{sd}' = \frac{3 (17)}{1 + [2.1 + 0.016 (70)] (5.283)}$$

$$\bar{R}_{sd}' = 2.83 \text{ TOF}$$

Conduit wall

$$\bar{R}_d' = 0.0104 \rho_c n' \left(\frac{t}{D-t} \right) \text{ TOF (equation 40)}$$

$$\bar{R}_d' = 0.0104 (600) (3) \left(\frac{0.280}{6.625 - 0.280} \right)$$

$$\bar{R}_d' = 0.826 \text{ TOF}$$

Intro-38

Conduit to ambient air

$$R_c' = \frac{n' \Delta T}{W_c + W_r} \text{ TOF}$$

where

$$W_c = 0.072 d^{0.75} (\Delta T)^{1.25} \text{ W/ft (equation 5 of IEEE Std 738-1993)}$$

$$d = D_s' \text{ (Neher-McGrath effective diameter)}$$

$$\Delta T = 35 \text{ }^\circ\text{C, wind velocity} = 0$$

$$W_r = 0.10256 D_s' \epsilon \Delta T [1 + 0.0167 (T_m)] \text{ W/ft (equation 55A)}$$

$$\epsilon = 0.92$$

$$\Delta T = 35 \text{ }^\circ\text{C}$$

$$T_m = (75 + 40) / 2 = 57.5$$

$$W_c = 0.072 (6.625)^{0.75} (35)^{1.25} \text{ W/ft} = 25.31 \text{ W/ft}$$

$$W_r = 0.10256 (6.625) (0.92) (35) [1 + 0.0167 (57.5)] \text{ W/ft} = 42.89 \text{ W/ft}$$

$$\frac{3(35)}{25.31 + 42.89} = .54 \text{ TOF}$$

Total thermal resistance

$$\bar{R}_{ca}' = \bar{R}_i' + Q_s (\bar{R}_j' + \bar{R}_{sd}' + \bar{R}_d' + \bar{R}_e') \text{ (equation 8)}$$

$$\bar{R}_{ca}' = 0.594 + 1.075 (0.244 + 2.83 + 0.826 + 1.54)$$

$$= 6.431 \text{ TOF}$$

Temperature rise due to dielectric loss

$$\Delta T_d = W_d \bar{R}_{da}' \text{ } ^\circ\text{C (equation 6)}$$

$$\bar{R}_{da}' = \bar{R}_i'/2 + \bar{R}_j' + \bar{R}_{sd}' + \bar{R}_d' + \bar{R}_e'$$

$$\bar{R}_{da}' = \frac{0.594}{2} + 0.244 + 2.83 + 0.826 + 1.54$$

$$\bar{R}_{da}' = 5.737 \text{ TOF}$$

$$W_d = \frac{0.00276 E^2 \epsilon_r \tan \delta}{1 - \epsilon_r^2}$$

where

E = applied voltage 8.7 kV

= SIC = 3

δ = dissipation factor 1.5%

$$W_d = \frac{0.00276 (8.7)^2 (3) (0.015)}{\log \frac{2.093}{1.553}}$$

W_d = 0.0725 W/ft (negligible)

Ampacity calculation

$$I = \sqrt{\frac{T_c - (T_a + \Delta T_d)}{R_{dc} (1 + Y_c) \bar{R}_{ca}}} \text{ kA (equation 9)}$$

$$I = \sqrt{\frac{90 - 40}{(9.613) (6.431)}} = 0.899 \times 10^3 \text{ A}$$

$$I = 899 \text{ A}$$

If these cables were operated with the shields open circuited, then

$$Y_s = Y_{SE}$$

where

$$Y_{SE} = 0.023$$

and

$$Q_s = 1 + \frac{0.023}{1 + (0.2043 + 0.222)}$$

$$Q_s = 1.016$$

and

$$\bar{R}_{ca}' = 0.594 + 1.016 (0.244 + 2.83 + 0.826 + 1.53)$$

$$\bar{R}_{ca}' = 6.111$$

$$I = \sqrt{\frac{90 - 40}{(9.613)(6.111)}} = 922 \text{ A (open-circuited)}$$

If the cable circuit, with open circuited shields, was operated in a wind of 2 ft/sec then the rating is recalculated as follows:

Thermal resistance of conduit to ambient @ 2 ft/s wind speed

Forced convection term

$$W_c = \text{larger of } W_{c1} \text{ and } W_{c2}$$

where

$$W_{c1} = 1.01 + 0.371 \left(\frac{d\rho_f V}{\mu_f} \right)^{0.52} k_f \cdot \Delta T \text{ W/ft (equation 3 of IEEE Std 738-1993)}$$

$$W_{c2} = 0.1695 \left(\frac{d\rho_f V}{\mu_f} \right)^{0.6} k_f \cdot \Delta T \text{ W/ft (equation 4 of IEEE Std 738-1993)}$$

and

$$t_f = \frac{t_c - t_i}{2}$$

where

$$d = 6.625 \text{ in}$$

$$t_c = 70 \text{ }^\circ\text{C}$$

$$t_s = 40 \text{ }^\circ\text{C}$$

$$t_f = 55 \text{ }^\circ\text{C}$$

$$\rho_f = 0.672 \text{ lb/ft}^3 \text{ @ sea level @ } t_f$$

$$V = 2 \text{ ft/sec} \times 3600 = 7200 \text{ ft/h}$$

$$\mu_f = 0.478 \text{ lb/h @ } t_f$$

$$k_f = 0.00864 \text{ W/ft @ } t_f$$

$$\Delta T = 30 \text{ }^\circ\text{C (NOTE—Calculated iteratively by computer program in tables.)}$$

Thermal resistance from horizontal surface to air

$$\bar{R}_e' = \frac{n' \Delta T}{W_c + W_r} \text{ TOF}$$

$$W_{c1} = 1.01 + 0.371 \left(\frac{6.625 \times 0.0672 \times 7200}{0.0478} \right)^{0.52} \times 0.00864 \times 30 = 32.11 \text{ W/ft}$$

$$W_{c2} = 0.1695 \left(\frac{6.625 \times 0.0672 \times 7200}{0.0478} \right)^{0.6} \times 0.00864 \times 30 = 34.57 \text{ W/ft}$$

$$W_R = 0.10256 D_s' \epsilon \Delta T + [0.0167 (T_m)] \text{ W/ft (equation 55A)}$$

where

$$\epsilon = 0.92$$

$$\Delta T = 30$$

$$T_m = \frac{70 + 40}{2}$$

$$T_m = 55^\circ$$

$$W_R = 0.10256 \times 6.625 \times 0.92 \times 30 [1 + 0.0167 (55)] = 35.98 \text{ W/ft}$$

$$\bar{R}_e' = \frac{3(30)}{34.57 + 35.98} \text{ TOF}$$

$$\bar{R}_e = 1.27 \text{ TOF}$$

Total thermal resistance

$$\bar{R}_{ca} = 0.594 + 1.016 (0.244 + 2.83 + 0.826 + 1.27)$$

$$\bar{R}_{ca} = 5.846 \text{ TOF}$$

$$I = \sqrt{\frac{90 - 40}{(9.613) (5.846)}} = 0.943 \times 10^3 \text{ A} = 943 \text{ A}$$

A.2.4 Example 4: 1-1/c #1/0 AWG aluminum 15 kV XLPE, URD cable, buried in the earth (1/2 of neutral current in shield)

Calculation example for:

1-1/c #10 AWG aluminum conductor cable 15 kV XLPE insulated, 8#14 AWG copper concentric wire shield.

Cable directly buried 36 inches in the earth.

Earth thermal resistivity: 90 °C cm/W

Ambient earth temperature: 25 °C

Load factor: 75%

Operating temperature: 90 °C

Cable dimensions

O.D. over conductor: 0.373 in

O.D. over conductor shield: 0.403 in

O.D. over insulation: 0.753 in

O.D. over insulation shield: 0.853 in

O.D. over metallic shield: 0.981 in

Conductor resistance

R_{dc} for #1/0 AWG aluminum: 168 $\mu\Omega/\text{ft}$ @ 25 °C (value from tables)

Temperature correction

$$R_{dc} = \frac{228.1 + 90}{228.1 + 25} \times 168 = 211.14 \mu\Omega/\text{ft} @ 90 \text{ }^\circ\text{C}$$

Skin effect

$$Y_{cs} = F_{sp}(x)$$

$$F_{sp}(x) = \frac{11}{\left(x + \frac{4}{x} + \frac{2.56}{x^2}\right)^2} \text{ (equation F3 of NEMA WC50-1988/ICEA P-53-426)}$$

where

$$k_s = 1$$

and

$$x = \frac{R_{dc}}{k_s}$$

$$x = \frac{211.14}{1}$$

$$F_{sp}(x) = \frac{11.0}{\left(211.14 + \frac{4}{211.14} - \frac{2.56}{(211.14)^2}\right)^2}$$

$$F_{sp}(x) = 0.0002$$

AC resistance

$$R_{ac} = R_{dc}(1 + Y_c)$$

$$R_s = 211.14(1 + 0.0002)$$

$$= 211.18 \mu\Omega/\text{ft} @ 90^\circ\text{C}$$

Shield resistance

$$R_s = \frac{\rho_s L_f}{nd^2} \mu\Omega/\text{ft} @ 25^\circ\text{C} \text{ (equation E-1 of NEMA WC50-1988/ICEA P-53-426)}$$

where

ρ_s = resistivity of copper wire 10.575 Ω cm/ft

L_f = lay factor = 1.05 (increase in length due to helical application)

n = number of wires = 8

d = diameter of each wire (#14 AWG) = 0.0641

$$R_s = \frac{(10.575)(1.05)}{8(0.0641)^2} = 337.80 \mu\Omega/\text{ft} @ 25^\circ\text{C}$$

$$R_s @ 80^\circ\text{C} = \frac{234.5 + 80}{8(0.0641)^2} 337.80$$

$$R_c @ 80^\circ\text{C} = 409.40 \mu\Omega/\text{ft} @ 80^\circ\text{C} (1/2 \text{ neutral})$$

Ratio of losses

$$Q_s = \frac{W_c + W_s}{W_c} = 1 + \frac{W_s}{W_c} \text{ (equation 18)}$$

$$\frac{W_s}{W_c} = \left(\frac{I_s}{I_c}\right)^2 \times \frac{R_s}{R_{ac}} \text{ (equation F6 of NEMA WC50-1988/ICEA P-53-426)}$$

therefore

$$Q_s = 1 + \left(\frac{I_s}{I_c}\right)^2 \times \frac{R_s}{R_{ac}}$$

when 1/2 of the total current is present in the neutral (metallic shield)

$$Q_s = 1 + \frac{R_s}{4R_{ac}}$$

therefore

$$Q_s = 1 + \frac{409.40}{4(211.18)} = 1.48$$

Thermal resistances**Insulation**

$$\bar{R}_i' = 0.012\rho_i \log \frac{D_i}{D_c} \text{ TOF (equation 38)}$$

$$\bar{R}_i' = 0.012(350) \log \frac{0.853}{0.373}$$

$$\bar{R}_i' = 1.508 \text{ TOF}$$

Earth thermal resistance

$$\bar{R}_e' = 0.012\rho_e n' \left[\log \frac{D_x}{D_e} + LF \log \left(\frac{4L}{D_x} \right) F \right] \text{ (equation 44)}$$

$$\bar{R}_e' = 0.012(90)(1) \left[\log \frac{8.4}{0.853} + 0.62 \log \left(\frac{4 \times 36}{8.4} \right) 1 \right]$$

$$\bar{R}_e' = 1.89 \text{ TOF}$$

Total effective thermal resistance

$$\bar{R}_{ca}' = \bar{R}_i' + Q_s (\bar{R}_e') \text{ (equation 8)}$$

$$\bar{R}_{ca}' = 1.508 + 1.48 (1.89)$$

$$\bar{R}_{ca}' = 4.31 \text{ TOF}$$

Ampacity calculation

$$I = \sqrt{\frac{T_c - T_a}{R_{dc} (1 + Y_c) (\bar{R}_{ca}')}} \text{ kA (equation 9)}$$

$$I = \sqrt{\frac{90 - 25}{(211.18) 4.27}} = 0.267 \times 10^3 \text{ A}$$

$$I = 267 \text{ A}$$

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Underground Duct Bank - Triplexed - Single Circuit
25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
90°C - Copper Conductor - Concentric Strand						
12	36	35	35	34	35	33
10	47	46	46	45	45	44
8	63	62	62	60	61	58
6	83	81	81	78	80	76
4	109	107	107	103	105	100
2	145	141	142	136	139	132
1	172	166	167	160	163	154
1/0	198	191	192	184	187	176
2/0	228	221	222	211	215	202
3/0	263	254	255	242	248	232
4/0	304	293	294	278	285	266
250	340	326	328	309	317	295
300	380	364	366	344	353	327
350	417	399	401	376	387	357
400	451	431	433	406	417	385
500	514	489	492	460	473	435
600	574	544	548	509	525	480
750	646	611	616	570	589	536
1000	744	701	706	651	674	610

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
75°C - Copper Conductor - Concentric Strand						
12	32	31	31	30	31	30
10	41	40	41	40	40	39
8	56	54	55	53	54	52
6	73	72	72	69	70	67
4	97	94	95	91	93	88
2	128	125	125	120	122	116
1	151	147	147	141	144	136
1/0	174	169	170	162	165	156
2/0	201	195	196	186	190	179
3/0	232	224	225	214	219	205
4/0	268	258	260	246	251	235
250	300	288	289	273	280	261
300	335	321	323	304	312	289
350	368	352	354	332	341	316
400	398	380	382	358	368	340
500	452	431	434	405	417	384
600	504	479	483	449	463	424
750	567	537	541	502	518	473
1000	652	615	620	572	592	537

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
90°C - Copper Conductor - Concentric Strand						
12	34	33	33	31	32	29
10	44	42	43	40	41	38
8	59	56	57	53	55	50
6	78	74	74	69	71	65
4	102	96	97	90	93	84
2	135	127	128	117	122	109
1	158	147	149	136	141	126
1/0	182	169	171	155	162	144
2/0	208	193	195	176	185	163
3/0	240	221	224	201	210	186
4/0	275	252	256	229	240	211
250	306	280	283	253	265	233
300	339	309	314	279	294	257
350	371	337	342	303	319	279
400	400	362	368	326	343	299
500	453	408	415	366	386	334
600	502	450	458	402	425	366
750	560	501	511	447	472	405
1000	640	570	580	503	535	456

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
75°C - Copper Conductor - Concentric Strand						
12	30	29	29	27	28	26
10	39	38	38	36	37	34
8	53	50	50	47	49	45
6	69	65	66	61	63	58
4	91	85	86	80	82	75
2	119	112	113	104	108	97
1	140	130	132	120	125	112
1/0	160	149	151	137	143	128
2/0	184	171	173	156	164	145
3/0	212	196	198	178	187	165
4/0	243	223	227	203	213	188
250	270	247	251	224	235	207
300	300	275	278	248	260	228
350	327	299	303	269	283	248
400	353	321	326	289	304	265
500	399	362	367	325	342	297
600	443	398	405	357	376	324
750	495	443	451	396	418	359
1000	562	501	511	444	472	403

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
90°C - Copper Conductor - Concentric Strand						
12	32	30	30	27	28	25
10	41	38	39	35	36	32
8	55	50	51	46	48	42
6	71	65	66	59	62	54
4	93	85	86	76	80	69
2	122	110	112	98	103	89
1	142	127	129	112	119	102
1/0	162	144	147	128	135	115
2/0	185	164	167	145	154	131
3/0	212	187	190	164	174	148
4/0	241	212	216	186	198	167
250	266	234	238	204	217	183
300	295	258	263	224	239	201
350	321	280	285	243	259	217
400	345	300	306	260	278	232
500	388	336	343	290	310	258
600	427	368	376	316	339	282
750	474	407	416	349	375	310
1000	537	459	469	392	422	347

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
75°C - Copper Conductor - Concentric Strand						
12	28	26	27	24	25	22
10	37	34	34	31	32	29
8	49	45	45	41	43	37
6	63	58	59	52	55	48
4	83	75	76	68	71	62
2	108	98	99	87	92	79
1	126	113	114	100	106	91
1/0	143	128	130	113	120	103
2/0	164	146	148	129	136	117
3/0	187	166	169	146	155	132
4/0	214	189	192	165	176	149
250	236	208	211	181	193	163
300	261	229	233	200	213	179
350	284	248	253	216	231	193
400	305	266	272	231	247	207
500	343	298	304	258	276	230
600	378	327	333	282	302	251
750	420	361	369	310	333	276
1000	474	406	415	347	374	309

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
90°C - Copper Conductor - Concentric Strand						
12	30	27	28	25	26	23
10	39	35	36	32	34	29
8	51	46	47	41	44	38
6	67	59	61	53	56	48
4	87	77	79	68	73	62
2	113	99	102	88	94	79
1	130	114	117	100	107	90
1/0	148	129	133	113	121	102
2/0	169	146	151	128	138	115
3/0	192	166	171	145	156	130
4/0	219	188	194	163	176	146
250	240	206	213	179	193	160
300	266	227	234	196	212	175
350	289	246	254	212	230	190
400	310	263	272	227	246	203
500	347	293	304	252	273	225
600	380	321	332	276	299	245
750	421	355	367	303	329	270
1000	475	398	412	340	369	301

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
75°C - Copper Conductor - Concentric Strand						
12	27	24	25	22	23	20
10	35	31	32	28	30	26
8	46	41	42	37	39	34
6	59	53	54	47	50	43
4	77	68	70	61	65	55
2	100	88	90	78	83	71
1	115	101	104	89	95	80
1/0	131	115	118	101	108	91
2/0	150	130	134	114	123	103
3/0	170	148	152	129	139	116
4/0	194	167	173	146	157	131
250	214	183	189	159	172	143
300	236	202	208	175	189	157
350	256	219	226	189	205	169
400	275	234	242	202	219	180
500	308	261	270	225	244	201
600	338	285	295	245	265	219
750	374	314	326	270	293	240
1000	420	353	365	301	327	267

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	72	77	422.9	61	80	305.8	54	83	239.4
10	93	78	392.6	79	82	281.6	69	83	219.7
8	119	77	314.0	101	81	226.2	89	83	177.3
6	154	79	290.6	131	82	208.2	115	84	162.3
4	200	80	266.0	169	83	188.7	149	85	147.0
2	260	81	240.7	218	84	170.0	192	85	132.0
1	294	80	205.0	248	83	145.8	219	84	113.5
1/0	335	81	195.1	282	83	138.6	249	85	107.5
2/0	382	81	185.0	321	84	130.9	283	85	101.8
3/0	435	82	175.7	366	84	124.2	322	86	96.3
4/0	496	82	166.2	416	85	116.8	366	86	90.6
250	542	82	151.6	456	84	107.3	402	85	83.1
300	600	82	145.3	504	84	102.4	444	86	79.5
350	653	82	139.8	548	85	98.7	482	86	76.3
400	702	83	135.3	589	85	95.2	518	86	73.7
500	790	83	128.1	662	85	90.0	582	86	69.6
600	865	83	117.9	726	85	83.0	639	86	64.4
750	965	83	111.6	809	85	78.5	712	86	60.9
1000	1098	84	103.9	919	86	72.8	808	87	56.3

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	67	79	365.7	56	82	259.3	49	84	200.8
10	86	80	336.5	72	83	237.2	63	85	182.3
8	110	79	268.7	92	82	189.1	81	84	146.6
6	142	81	246.2	119	83	172.6	104	85	133.0
4	183	82	222.9	153	84	155.2	134	86	119.0
2	237	83	199.8	197	85	138.5	172	86	105.7
1	268	82	169.8	223	84	118.4	196	86	90.5
1/0	304	82	160.8	254	85	111.5	222	86	85.3
2/0	346	83	151.7	288	85	105.2	252	86	80.2
3/0	393	83	143.3	327	85	98.9	285	87	75.3
4/0	446	84	134.7	370	86	92.7	323	87	70.7
250	487	83	122.4	405	85	84.6	354	86	64.5
300	538	84	116.8	446	86	80.4	390	87	61.3
350	584	84	111.9	484	86	77.1	423	87	58.6
400	626	84	107.8	519	86	74.2	453	87	56.4
500	702	85	101.3	582	86	69.6	507	87	52.8
600	768	84	93.0	637	86	63.8	556	87	48.7
750	853	85	87.3	706	86	59.9	616	87	45.5
1000	966	85	80.3	798	87	54.9	696	88	41.8

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	67	69	357.7	57	72	258.0	50	74	203.5
10	87	70	331.8	73	73	238.4	65	74	185.8
8	111	69	266.0	94	72	191.8	84	74	150.2
6	144	71	246.2	122	73	175.8	108	75	137.8
4	187	72	225.0	158	74	160.0	139	75	124.4
2	243	73	203.3	204	75	143.7	180	76	111.6
1	275	72	173.2	232	74	123.3	205	75	95.9
1/0	313	72	164.8	264	74	117.0	233	76	91.2
2/0	357	73	156.7	300	75	111.0	265	76	86.0
3/0	407	73	148.6	342	75	105.1	301	76	81.4
4/0	463	74	140.6	389	75	99.0	342	77	76.6
250	506	73	128.4	426	75	90.6	375	76	70.5
300	560	73	123.0	471	75	86.6	414	76	67.2
350	609	74	118.3	512	76	83.5	450	77	64.7
400	655	74	114.6	549	76	80.5	483	77	62.4
500	737	74	108.5	617	76	76.1	543	77	58.8
600	807	74	99.9	677	76	70.3	596	77	54.5
750	899	74	94.5	754	76	66.4	663	77	51.4
1000	1021	75	87.9	855	76	61.6	752	77	47.7

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	62	70	308.5	52	73	219.4	46	75	170.2
10	80	72	285.1	67	74	199.8	59	75	154.2
8	103	71	227.1	86	74	160.2	76	75	124.0
6	133	72	208.2	111	74	145.7	97	76	112.4
4	171	73	188.7	143	75	131.3	125	76	100.5
2	221	74	169.4	184	76	116.8	161	77	89.4
1	250	73	143.8	209	75	99.8	183	76	76.8
1/0	284	74	135.9	237	76	94.4	207	77	72.3
2/0	323	74	128.5	269	76	89.0	235	77	68.2
3/0	367	74	121.1	305	76	83.7	267	77	63.8
4/0	417	75	113.7	346	76	78.4	302	77	59.8
250	455	74	103.5	378	76	71.7	330	77	54.7
300	502	75	98.6	417	76	68.1	364	77	52.0
350	545	75	94.8	452	77	65.2	395	77	49.7
400	585	75	91.2	485	77	62.7	423	77	47.7
500	655	75	85.7	543	77	58.8	473	78	44.6
600	716	75	78.7	594	77	54.1	518	77	41.1
750	795	76	73.9	658	77	50.6	574	78	38.5
1000	898	76	68.1	742	77	46.5	647	78	35.3

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface			Interface			Interface		
	Temp Flux			Temp Flux			Temp Flux		
	75% LF			75% LF			75% LF		
12	64	65	324.5	55	68	235.4	48	69	184.8
10	83	66	301.4	71	69	216.2	62	70	169.4
8	107	65	241.6	91	68	174.6	80	70	136.6
6	139	66	224.1	117	69	159.9	104	70	125.1
4	180	67	204.4	152	70	145.6	134	71	112.8
2	233	68	185.2	196	70	130.9	173	71	101.6
1	264	67	157.5	223	70	112.0	197	71	87.6
1/0	301	68	149.9	254	70	106.6	224	71	82.6
2/0	343	68	142.6	289	70	101.0	254	71	78.2
3/0	391	69	135.2	328	71	95.5	289	72	74.1
4/0	445	69	127.7	373	71	89.9	329	72	69.6
250	486	69	116.7	409	70	82.4	360	72	63.9
300	538	69	111.8	452	71	79.0	398	72	61.1
350	586	69	107.5	492	71	75.7	433	72	58.9
400	629	69	104.1	528	71	73.2	464	72	56.6
500	707	70	98.6	593	71	69.1	521	72	53.5
600	775	69	90.8	650	71	64.0	572	72	49.5
750	862	70	86.0	723	71	60.5	636	72	46.8
1000	979	70	79.8	820	72	56.0	721	72	43.3

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Interface			Interface			Interface		
	Temp Flux			Temp Flux			Temp Flux		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	100% LF								
12	60	66	280.6	50	69	199.5	44	70	154.3
10	77	67	259.4	65	70	182.3	57	71	140.2
8	99	67	206.3	83	69	145.7	73	71	112.2
6	128	68	189.2	107	70	133.0	94	71	102.1
4	165	69	171.6	137	71	119.7	120	72	91.6
2	213	70	153.6	177	71	106.3	155	72	81.2
1	240	69	130.6	201	71	91.0	176	72	70.0
1/0	273	69	123.7	228	71	85.8	199	72	65.9
2/0	311	70	116.8	258	71	80.6	226	72	61.9
3/0	353	70	110.0	293	72	76.0	256	72	58.1
4/0	401	70	103.6	332	72	71.4	290	73	54.2
250	437	70	94.1	363	71	65.1	318	72	49.7
300	482	70	89.8	401	72	61.9	350	72	47.3
350	524	70	86.2	434	72	59.1	379	73	45.0
400	562	71	82.9	466	72	56.9	406	73	43.5
500	629	71	78.0	521	72	53.5	454	73	40.8
600	687	71	71.6	570	72	49.1	497	73	37.4
750	763	71	67.2	631	72	46.0	551	73	35.0
1000	861	71	61.8	712	72	42.3	620	73	32.1

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	58	57	260.6	50	59	187.5	44	60	147.6
10	76	58	241.9	64	60	172.9	57	61	135.5
8	97	57	193.6	83	59	139.3	73	61	109.5
6	126	58	178.9	107	60	128.3	94	61	99.8
4	163	59	163.4	138	61	116.2	122	62	90.3
2	212	60	147.8	178	61	104.6	157	62	81.2
1	240	59	126.2	203	61	89.5	179	62	70.0
1/0	274	59	120.1	231	61	85.3	203	62	66.4
2/0	312	60	113.9	262	61	80.6	231	62	62.8
3/0	355	60	108.1	298	61	76.4	263	62	59.2
4/0	404	60	102.2	339	62	72.1	299	62	55.6
250	442	60	93.4	372	61	66.1	328	62	51.3
300	489	60	89.2	411	62	63.1	362	62	49.0
350	532	60	86.2	446	62	60.8	393	63	47.0
400	571	61	83.4	479	62	58.7	422	63	45.4
500	642	61	78.7	538	62	55.4	473	63	42.7
600	702	61	72.7	590	62	51.0	519	63	39.6
750	781	61	68.8	655	62	48.2	576	63	37.3
1000	885	61	63.9	741	62	44.9	652	63	34.7

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	54	58	224.7	46	60	159.6	40	61	123.7
10	70	59	206.8	59	61	146.0	52	62	112.2
8	90	58	164.7	75	60	116.7	66	61	90.5
6	116	59	151.2	97	61	106.1	85	62	81.5
4	150	60	137.4	125	62	95.7	109	62	73.2
2	193	61	123.3	161	62	85.3	141	63	64.8
1	219	60	104.2	182	61	72.9	160	62	55.8
1/0	248	60	98.9	207	62	68.6	181	63	52.4
2/0	282	61	93.5	235	62	64.8	205	63	49.5
3/0	321	61	88.3	266	62	60.7	233	63	46.6
4/0	364	61	82.9	302	62	57.0	264	63	43.4
250	397	61	75.5	330	62	51.9	289	63	39.6
300	438	61	71.9	364	62	49.6	318	63	37.9
350	476	61	68.8	395	62	47.3	345	63	36.2
400	510	61	66.3	423	63	45.6	369	63	34.9
500	571	62	62.4	473	63	42.7	412	63	32.6
600	623	62	57.1	517	63	39.4	451	63	29.8
750	691	62	53.7	572	63	36.8	499	63	28.1
1000	779	62	49.5	644	63	33.9	561	63	25.6

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	47	45	162.2	40	46	117.0	36	47	91.8
10	61	46	150.7	52	47	108.7	46	48	84.1
8	79	45	121.2	67	47	86.9	59	47	68.8
6	102	46	111.6	86	47	80.0	76	48	62.5
4	133	46	102.6	112	47	72.5	99	48	56.8
2	172	47	92.3	145	48	65.4	127	48	50.8
1	195	46	78.8	164	47	56.3	145	48	43.5
1/0	222	46	75.0	187	47	53.3	165	48	41.5
2/0	253	47	71.1	213	48	50.3	188	48	39.1
3/0	288	47	67.6	242	48	47.8	213	48	37.1
4/0	328	47	64.0	275	48	45.1	242	48	35.0
250	358	47	58.2	301	48	41.2	265	48	32.1
300	396	47	55.8	333	48	39.3	293	48	30.5
350	431	47	53.9	362	48	37.9	318	48	29.3
400	462	47	52.2	388	48	36.7	341	49	28.3
500	519	47	49.2	435	48	34.6	383	49	26.9
600	567	47	45.4	476	48	32.0	419	49	24.9
750	630	47	42.9	528	48	30.2	465	49	23.3
1000	712	48	40.0	596	48	28.1	524	49	21.6

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	44	46	141.0	37	47	99.7	33	48	77.1
10	57	46	129.7	48	47	91.1	42	48	70.1
8	73	46	103.2	61	47	73.3	54	48	56.1
6	94	46	95.0	79	47	66.5	69	48	51.5
4	121	47	85.5	101	48	59.5	89	48	45.8
2	157	47	77.1	130	48	53.2	114	49	40.9
1	177	47	65.1	148	48	45.5	130	48	34.7
1/0	201	47	61.9	168	48	42.9	147	48	33.0
2/0	229	47	58.2	191	48	40.3	167	49	30.8
3/0	260	47	55.0	216	48	37.8	189	49	29.0
4/0	295	48	51.8	245	48	35.7	214	49	27.3
250	322	47	47.2	268	48	32.4	234	49	24.9
300	355	48	44.9	295	48	30.8	258	49	23.5
350	385	48	43.1	320	48	29.6	279	49	22.7
400	413	48	41.4	342	49	28.6	299	49	21.8
500	462	48	38.9	382	49	26.6	333	49	20.4
600	504	48	35.7	417	49	24.7	364	49	18.6
750	557	48	33.6	461	49	22.9	402	49	17.6
1000	626	48	30.9	518	49	21.1	451	49	16.1

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	65	79	347.1	55	82	247.3	48	84	192.8
10	84	80	320.1	70	83	225.5	62	85	175.3
8	107	80	254.3	90	83	181.0	80	84	140.3
6	138	81	232.8	116	84	163.9	102	85	127.5
4	178	82	210.6	149	85	147.7	131	86	113.5
2	230	83	188.1	192	85	131.4	168	86	101.1
1	260	82	159.5	217	85	112.0	191	86	86.6
1/0	295	83	150.8	247	85	105.7	216	86	81.3
2/0	335	83	142.2	280	85	99.4	245	86	76.5
3/0	380	84	133.7	317	86	93.2	278	87	71.8
4/0	431	84	125.6	359	86	87.1	315	87	67.2
250	471	84	114.2	393	86	79.6	344	87	61.4
300	519	84	108.6	433	86	75.7	379	87	58.1
350	563	84	104.2	469	86	72.4	411	87	55.5
400	604	85	100.2	503	86	69.5	441	87	53.5
500	677	85	94.1	563	87	65.0	493	87	49.9
600	739	85	86.1	616	86	59.7	540	87	45.8
750	820	85	80.6	683	87	55.9	598	87	42.9
1000	927	86	74.0	771	87	51.2	675	88	39.3

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Interface			Interface			Interface		
	Temp Flux			Temp Flux			Temp Flux		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	100% LF								
12	58	81	280.6	49	84	196.8	43	85	150.3
10	75	82	255.9	62	85	177.6	55	86	135.5
8	96	82	202.7	80	84	141.2	70	86	107.7
6	123	83	183.7	102	85	127.5	89	86	97.4
4	157	84	164.1	131	86	112.8	114	87	86.2
2	202	85	145.5	167	86	99.9	146	87	75.9
1	228	84	122.8	189	86	84.6	165	87	64.6
1/0	258	84	115.6	214	86	79.5	187	87	60.5
2/0	292	85	108.5	242	87	74.4	211	87	56.5
3/0	331	85	101.6	274	87	69.5	238	88	52.7
4/0	374	86	94.8	309	87	64.7	269	88	49.0
250	408	85	85.9	337	87	58.8	294	88	44.7
300	449	86	81.3	371	87	55.5	323	88	42.0
350	486	86	77.7	401	87	52.8	349	88	40.1
400	520	86	74.5	429	87	50.6	374	88	38.3
500	581	86	69.4	479	88	47.0	417	88	35.8
600	634	86	63.1	523	87	43.0	455	88	32.7
750	701	86	58.9	577	88	39.9	502	88	30.2
1000	788	87	53.5	649	88	36.3	564	88	27.4

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface			Interface			Interface		
	Temp Flux			Temp Flux			Temp Flux		
	75% LF			75% LF			75% LF		
12	61	71	293.9	51	73	210.1	45	75	163.6
10	78	72	269.9	66	74	191.6	58	76	148.4
8	100	71	215.4	84	74	152.9	74	75	118.5
6	129	72	197.1	108	75	138.6	95	76	107.7
4	166	73	177.8	139	75	125.1	122	76	96.4
2	215	74	158.9	179	76	111.0	157	77	85.3
1	242	73	135.0	203	75	94.9	178	76	72.9
1/0	275	74	127.8	230	76	89.4	202	77	68.6
2/0	313	74	120.1	261	76	84.0	229	77	64.4
3/0	355	75	113.1	296	76	78.7	260	77	60.7
4/0	403	75	106.4	336	77	73.8	294	77	56.7
250	440	75	96.6	367	76	67.3	322	77	51.9
300	485	75	91.9	404	77	64.0	354	77	49.3
350	526	75	88.2	438	77	61.1	384	78	47.0
400	564	75	84.9	470	77	58.7	411	78	45.1
500	631	76	79.7	525	77	55.2	460	78	42.2
600	689	76	72.9	574	77	50.6	503	78	38.7
750	764	76	68.4	636	77	47.2	557	78	36.4
1000	862	76	62.6	717	77	43.3	628	78	33.2

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	55	73	238.0	46	75	166.2	40	76	127.7
10	70	74	216.2	58	76	150.7	51	77	114.5
8	89	73	171.0	74	75	119.4	65	76	91.4
6	115	74	155.2	95	76	107.7	83	77	82.3
4	147	75	138.8	122	76	95.7	107	77	73.2
2	189	76	123.3	156	77	84.1	136	78	64.3
1	213	75	104.2	177	77	71.4	154	77	54.8
1/0	241	75	98.0	200	77	67.3	174	78	51.0
2/0	273	76	91.9	226	77	62.8	197	78	47.8
3/0	309	76	86.0	256	77	58.8	223	78	44.7
4/0	350	76	80.1	289	78	54.6	252	78	41.6
250	381	76	72.7	315	77	49.7	275	78	37.8
300	419	76	68.7	346	77	47.0	302	78	35.5
350	454	76	65.5	375	78	44.8	326	78	34.0
400	486	77	62.9	401	78	42.7	349	78	32.5
500	542	77	58.6	447	78	39.8	389	78	30.2
600	591	77	53.4	487	78	36.3	424	78	27.7
750	653	77	49.8	538	78	33.8	468	78	25.7
1000	733	77	45.3	603	78	30.7	525	79	23.2

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Interface			Interface			Interface		
	Temp Flux			Temp Flux			Temp Flux		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	75% LF								
12	58	67	267.3	49	69	190.2	43	70	147.6
10	75	68	245.4	63	70	174.1	56	71	134.4
8	96	67	195.4	81	69	139.3	71	71	107.7
6	124	68	178.9	104	70	126.7	92	71	97.4
4	160	69	162.1	134	71	113.5	118	72	87.5
2	206	70	144.9	172	71	101.1	151	72	77.7
1	233	69	122.8	195	71	86.1	171	72	66.5
1/0	265	69	116.1	221	71	81.3	194	72	62.8
2/0	301	70	109.3	251	71	76.5	220	72	58.6
3/0	341	70	103.2	285	72	71.8	250	72	55.0
4/0	387	71	96.6	323	72	67.2	283	73	51.4
250	422	70	87.8	353	72	61.4	309	72	47.2
300	466	70	83.7	388	72	58.1	340	73	44.6
350	505	71	80.1	421	72	55.5	369	73	42.8
400	541	71	77.1	451	72	53.5	395	73	41.2
500	606	71	72.2	504	72	50.2	442	73	38.4
600	662	71	66.2	551	72	46.1	483	73	35.2
750	733	71	62.0	610	72	43.1	534	73	33.0
1000	827	72	57.0	687	73	39.5	602	73	30.2

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	52	68	215.4	44	70	150.3	38	71	115.7
10	67	69	196.3	56	71	136.7	49	72	105.2
8	86	69	155.6	72	71	108.6	63	72	83.2
6	110	70	140.9	92	71	97.4	80	72	74.4
4	141	70	126.5	117	72	86.8	102	73	66.3
2	181	71	112.2	150	72	76.5	131	73	58.4
1	205	70	94.4	170	72	65.1	148	73	49.4
1/0	232	71	89.0	192	72	61.0	168	73	46.5
2/0	263	71	83.6	217	72	57.0	189	73	43.2
3/0	297	71	77.9	246	73	53.5	214	73	40.5
4/0	336	72	72.8	278	73	49.7	242	73	37.8
250	366	71	66.1	303	73	45.3	264	73	34.3
300	403	72	62.5	333	73	42.6	290	73	32.3
350	436	72	59.7	360	73	40.6	313	73	30.9
400	466	72	57.2	385	73	39.1	335	73	29.6
500	520	72	53.3	429	73	36.2	373	74	27.4
600	567	72	48.7	468	73	33.1	407	73	25.1
750	626	72	45.3	516	73	30.8	449	74	23.3
1000	703	73	41.2	579	73	27.9	503	74	21.1

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	53	58	214.1	45	60	152.9	39	61	118.3
10	68	59	196.3	58	61	139.0	51	62	107.5
8	87	59	156.5	74	61	111.3	65	62	86.0
6	113	60	143.3	95	61	101.3	83	62	78.4
4	145	60	129.2	122	62	90.9	107	62	69.7
2	188	61	115.7	157	62	80.6	137	63	61.9
1	212	60	98.3	177	62	69.0	156	62	53.3
1/0	241	61	93.0	201	62	65.0	177	63	50.1
2/0	273	61	87.7	228	62	61.1	200	63	47.0
3/0	310	61	82.5	259	62	57.3	227	63	43.9
4/0	352	61	77.3	293	63	53.9	257	63	41.3
250	384	61	70.5	320	62	49.1	281	63	37.8
300	423	61	66.9	353	63	46.7	309	63	35.8
350	459	62	64.1	382	63	44.5	335	63	34.3
400	492	62	61.6	410	63	42.7	359	63	32.8
500	550	62	57.8	458	63	40.1	401	63	30.7
600	600	62	53.0	500	63	36.8	438	63	28.3
750	664	62	49.6	553	63	34.4	484	63	26.5
1000	748	62	45.6	622	63	31.6	544	64	24.2

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	48	60	172.9	40	61	121.0	35	62	93.1
10	61	60	157.7	51	62	109.8	45	63	84.1
8	78	60	124.9	65	62	86.9	57	62	67.0
6	100	61	113.2	83	62	78.4	73	63	60.2
4	129	61	101.2	107	62	69.7	93	63	53.3
2	165	62	89.4	137	63	61.3	119	63	46.7
1	186	61	75.8	154	62	51.9	135	63	39.6
1/0	211	62	71.3	175	63	48.8	152	63	37.0
2/0	239	62	66.9	198	63	45.7	172	63	34.9
3/0	270	62	62.7	223	63	42.8	195	64	32.5
4/0	305	62	58.4	252	63	39.9	220	64	30.1
250	333	62	52.9	275	63	36.2	240	64	27.4
300	366	62	50.2	302	63	34.0	263	64	25.8
350	396	62	47.8	327	63	32.6	285	64	24.6
400	424	63	45.9	349	63	31.2	304	64	23.6
500	472	63	42.7	389	64	29.0	339	64	22.1
600	514	63	38.9	424	63	26.4	369	64	20.1
750	567	63	36.2	468	64	24.7	407	64	18.6
1000	636	63	33.0	523	64	22.3	455	64	16.8

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	43	46	134.3	36	47	95.7	32	48	74.5
10	55	46	122.7	47	47	86.5	41	48	67.8
8	71	46	97.7	60	47	69.7	53	48	54.3
6	91	47	89.5	77	48	63.3	68	48	49.1
4	118	47	80.7	99	48	56.8	87	48	43.8
2	152	47	72.4	127	48	50.2	111	49	38.6
1	172	47	61.2	144	48	43.0	126	48	33.3
1/0	195	47	57.8	163	48	40.6	143	49	31.2
2/0	222	47	54.9	185	48	38.2	162	49	29.5
3/0	251	48	51.6	210	48	35.9	184	49	27.5
4/0	285	48	48.3	238	49	33.6	208	49	25.9
250	311	48	44.0	260	48	30.5	228	49	23.6
300	343	48	41.7	286	48	29.1	251	49	22.3
350	372	48	40.1	310	49	27.9	271	49	21.3
400	398	48	38.5	332	49	26.7	290	49	20.5
500	445	48	36.2	370	49	25.0	324	49	19.2
600	485	48	33.1	404	49	22.9	354	49	17.7
750	536	48	31.0	446	49	21.5	390	49	16.4
1000	601	48	28.4	500	49	19.6	438	49	15.1

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
	Interface			Interface			Interface		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	100% LF								
12	39	47	107.7	32	48	75.8	28	48	58.5
10	50	47	98.1	41	48	67.8	36	48	52.6
8	63	47	77.8	53	48	54.3	46	48	41.6
6	81	47	70.5	68	48	49.1	59	49	37.2
4	104	48	62.9	87	48	43.8	76	49	33.5
2	134	48	56.1	111	49	38.6	97	49	29.2
1	151	48	47.5	125	48	32.8	109	49	24.9
1/0	171	48	44.7	142	49	30.7	124	49	23.0
2/0	194	48	41.6	160	49	28.7	140	49	21.6
3/0	219	48	39.0	181	49	26.7	158	49	20.2
4/0	248	48	36.4	204	49	24.8	178	49	18.9
250	270	48	33.0	223	49	22.7	194	49	17.0
300	296	48	31.4	245	49	21.4	213	49	16.1
350	321	48	29.8	265	49	20.4	231	49	15.5
400	343	49	28.6	283	49	19.4	246	49	14.7
500	382	49	26.6	315	49	18.2	274	49	13.7
600	415	49	24.2	343	49	16.7	298	49	12.5
750	457	49	22.7	377	49	15.4	328	49	11.7
1000	511	49	20.5	421	49	14.0	366	49	10.5

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Conduit in Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

90°C - Copper Conductor - Concentric Strand

12	28	29	21	24
10	37	38	27	31
8	49	51	37	42
6	65	67	48	55
4	85	88	63	72
2	112	117	83	96
1	131	137	97	112
1/0	151	158	112	129
2/0	173	181	129	149
3/0	207	215	151	172
4/0	238	247	174	198
250	266	276	194	221
300	296	308	217	247
350	324	338	237	271
400	351	366	257	293
500	398	416	291	333
600	460	477	333	376
750	517	538	375	424
1000	595	620	431	489

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Conduit in Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

75°C - Copper Conductor - Concentric Strand

12	24	25	14	18
10	31	32	18	23
8	42	43	24	31
6	55	57	31	41
4	72	75	41	54
2	94	99	54	71
1	110	116	63	84
1/0	127	133	72	96
2/0	145	153	83	110
3/0	174	181	95	125
4/0	200	209	110	144
250	223	233	122	161
300	249	260	136	179
350	272	285	149	196
400	294	308	161	212
500	334	350	183	241
600	385	402	205	268
750	433	452	230	301
1000	496	520	265	346

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

90°C - Copper Conductor - Concentric Strand

12	36	48	29	43
10	48	63	39	57
8	66	85	53	76
6	89	113	71	100
4	120	150	95	132
2	162	201	128	175
1	195	235	152	203
1/0	226	272	176	234
2/0	264	315	205	269
3/0	308	365	238	310
4/0	359	422	277	357
250	405	472	310	396
300	456	530	349	444
350	504	584	385	488
400	550	635	419	529
500	634	729	481	603
600	714	815	540	671
750	815	926	614	759
1000	957	1081	717	879

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

75°C - Copper Conductor - Concentric Strand

12	30	41	20	35
10	39	54	27	46
8	55	73	37	61
6	74	96	49	80
4	99	128	65	104
2	134	171	86	137
1	161	200	102	158
1/0	188	231	118	181
2/0	219	268	136	208
3/0	255	310	157	239
4/0	297	358	182	273
250	335	400	203	302
300	378	449	227	337
350	418	495	250	369
400	455	538	271	399
500	524	616	309	453
600	591	689	345	501
750	673	782	389	563
1000	788	910	450	646

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Single Isolated Cable

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

90°C - Copper Conductor - Concentric Strand

12	43	62	36	58
10	58	83	48	77
8	81	110	66	101
6	108	146	88	134
4	146	195	118	177
2	197	260	159	234
1	234	301	188	269
1/0	273	348	219	311
2/0	318	403	254	358
3/0	371	467	296	413
4/0	434	542	344	477
250	488	600	385	526
300	551	675	434	589
350	611	745	481	648
400	668	811	525	704
500	776	935	607	808
600	877	1045	683	897
750	1017	1203	789	1027
1000	1225	1436	946	1218

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Single Isolated Cable

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

75°C - Copper Conductor - Concentric Strand

12	36	53	26	48
10	48	71	35	63
8	67	94	47	83
6	90	125	63	109
4	121	166	83	143
2	163	221	112	189
1	195	257	131	217
1/0	227	297	152	249
2/0	264	344	176	286
3/0	308	398	204	329
4/0	360	461	236	379
250	405	511	263	416
300	458	574	295	465
350	508	634	326	510
400	555	690	355	552
500	644	795	409	631
600	729	889	458	698
750	844	1022	526	795
1000	1016	1219	626	936

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Unventilated Riser - Triplexed
40°C Air Ambient

No Sun Full Sun
0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr
Size

90°C - Copper Conductor - Concentric Strand

12	26	28	22	25
10	34	37	29	33
8	47	50	40	45
6	62	67	52	60
4	81	89	69	81
2	107	118	91	108
1	126	140	107	128
1/0	144	161	123	147
2/0	165	185	141	169
3/0	207	226	176	200
4/0	238	260	203	232
250	264	290	225	259
300	293	323	250	289
350	320	353	273	317
400	344	380	294	343
500	387	429	330	389
600	455	497	388	446
750	505	553	431	497
1000	568	624	485	561

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Unventilated Riser - Triplexed

40°C Air Ambient

No Sun Full Sun
0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr
Size

75°C - Copper Conductor - Concentric Strand

12	21	23	15	19
10	28	30	20	25
8	38	42	28	35
6	51	55	37	46
4	67	74	50	62
2	88	98	66	83
1	103	116	78	98
1/0	119	133	90	114
2/0	136	153	104	131
3/0	171	187	126	153
4/0	196	216	146	177
250	217	240	163	198
300	241	268	182	221
350	263	292	199	242
400	283	315	215	262
500	317	355	243	297
600	373	411	285	338
750	413	457	317	380
1000	462	514	355	436

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Underground Duct Bank - Triplexed - Single Circuit
25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
90°C - Aluminum Conductor - Concentric Strand						
12	28	27	27	27	27	26
10	36	36	36	35	35	34
8	49	48	48	47	47	45
6	64	63	63	61	62	59
4	85	83	83	80	82	78
2	113	110	111	106	108	102
1	134	130	130	124	127	120
1/0	154	149	150	143	146	137
2/0	178	172	173	164	168	158
3/0	206	198	199	189	193	181
4/0	238	229	230	218	223	208
250	266	256	257	242	248	231
300	298	286	287	270	277	257
350	328	314	316	297	304	281
400	357	341	343	321	330	304
500	410	390	393	366	377	346
600	461	437	440	410	422	386
750	528	500	503	466	481	438
1000	626	590	594	548	567	514

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
75°C - Aluminum Conductor - Concentric Strand						
12	25	24	24	24	24	23
10	32	32	32	31	31	30
8	43	42	43	41	42	40
6	57	56	56	54	55	53
4	75	73	74	71	72	69
2	100	97	98	94	95	91
1	118	115	115	110	112	106
1/0	136	132	132	126	129	122
2/0	157	152	153	145	148	140
3/0	182	175	176	167	171	160
4/0	210	202	203	192	197	184
250	235	226	227	214	219	204
300	263	252	254	239	245	227
350	290	277	279	262	269	249
400	315	301	303	284	292	269
500	361	345	347	324	333	307
600	407	386	389	362	373	342
750	466	441	444	412	425	388
1000	552	521	525	485	501	455

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
 in Underground Duct Bank - Triplexed - Three Circuits
 25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
90°C - Aluminum Conductor - Concentric Strand						
12	26	25	26	24	25	23
10	35	33	33	31	32	30
8	46	44	44	41	43	39
6	61	57	58	54	56	51
4	80	75	76	70	73	66
2	105	99	100	91	95	85
1	123	115	116	106	110	98
1/0	142	131	133	121	126	112
2/0	163	151	152	138	144	128
3/0	187	173	175	157	164	145
4/0	215	197	200	179	188	165
250	240	219	222	198	208	182
300	266	243	246	219	230	202
350	292	265	270	239	252	219
400	316	287	291	258	271	236
500	361	325	331	291	308	267
600	403	362	368	323	342	294
750	457	410	418	365	386	331
1000	539	480	488	423	450	384

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
75°C - Aluminum Conductor - Concentric Strand						
12	23	23	23	21	22	20
10	31	29	30	28	28	26
8	41	39	39	37	38	35
6	54	51	51	48	49	45
4	71	67	67	62	64	58
2	93	87	88	81	84	76
1	109	102	103	94	98	87
1/0	125	116	118	107	112	99
2/0	144	133	135	122	128	113
3/0	165	153	155	139	146	129
4/0	190	175	177	159	167	147
250	212	194	197	176	184	162
300	236	216	218	195	205	179
350	258	236	239	212	223	195
400	280	254	258	229	241	210
500	319	289	293	260	273	237
600	357	321	327	288	303	262
750	406	363	370	325	343	294
1000	476	424	433	376	400	341

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
 in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
90°C - Aluminum Conductor - Concentric Strand						
12	25	23	23	21	22	20
10	32	30	30	27	28	25
8	43	39	40	36	37	33
6	56	51	52	46	48	42
4	73	66	67	59	62	54
2	95	86	87	76	81	70
1	110	99	100	88	93	79
1/0	126	113	114	99	105	90
2/0	144	128	130	113	120	102
3/0	165	146	148	128	136	115
4/0	189	166	169	145	155	131
250	209	183	186	160	170	143
300	231	202	206	176	188	158
350	253	220	225	191	204	171
400	273	237	242	205	219	183
500	309	268	273	231	247	206
600	343	296	302	254	273	226
750	388	333	340	285	307	254
1000	452	386	395	330	355	292

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
75°C - Aluminum Conductor - Concentric Strand						
12	22	20	21	19	20	17
10	29	26	27	24	25	22
8	38	35	35	32	33	29
6	49	45	46	41	43	37
4	64	59	59	53	55	48
2	84	76	77	68	72	62
1	98	88	89	78	82	71
1/0	112	100	102	89	94	80
2/0	128	114	116	101	107	91
3/0	146	130	132	114	121	103
4/0	167	148	150	129	138	117
250	185	163	166	142	151	128
300	205	180	183	157	167	141
350	224	196	200	170	182	153
400	242	211	215	183	195	164
500	274	238	243	206	220	184
600	305	263	269	227	243	202
750	344	296	303	255	273	227
1000	401	344	351	294	316	261

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
 in Underground Duct Bank - Triplexed - Nine Circuits
 25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
90°C - Aluminum Conductor - Concentric Strand						
12	23	21	22	19	20	18
10	30	27	28	25	26	23
8	40	36	37	32	34	29
6	52	46	47	41	44	38
4	67	60	61	53	57	48
2	88	77	79	68	73	62
1	101	89	91	78	84	70
1/0	115	101	104	88	95	79
2/0	132	114	118	100	107	90
3/0	150	130	134	113	122	102
4/0	171	147	152	128	138	114
250	188	161	167	140	151	125
300	209	178	184	154	167	137
350	227	193	200	167	181	149
400	245	208	215	179	194	160
500	277	234	242	201	218	180
600	306	258	267	222	240	197
750	344	290	300	248	269	221
1000	400	335	347	286	311	253

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	60 Rho		90 Rho		120 Rho	
	75 LF	100 LF	75 LF	100 LF	75 LF	100 LF
75°C - Aluminum Conductor - Concentric Strand						
12	21	19	19	17	18	16
10	27	24	25	22	23	20
8	36	32	33	29	30	26
6	46	41	42	37	39	34
4	60	53	55	47	50	43
2	78	69	71	61	65	55
1	90	79	81	69	74	63
1/0	103	90	92	78	84	71
2/0	117	102	105	89	96	80
3/0	133	115	119	101	108	90
4/0	152	131	135	114	123	102
250	168	144	148	125	135	112
300	185	159	164	138	149	123
350	202	173	178	149	161	134
400	218	185	191	160	173	143
500	246	209	216	180	195	161
600	272	230	238	198	214	176
750	307	258	268	222	241	197
1000	356	299	309	255	277	226

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	56	77	422.9	47	80	305.8	42	83	239.4
10	72	78	392.6	61	82	281.6	54	83	219.7
8	93	77	314.0	79	81	226.2	70	83	177.3
6	120	79	290.6	102	82	208.2	90	84	162.3
4	156	80	266.0	132	83	188.7	116	85	147.0
2	202	81	240.7	170	84	170.0	150	85	132.0
1	229	80	205.0	193	83	145.8	171	84	113.5
1/0	261	81	195.1	220	83	138.6	194	85	107.5
2/0	298	81	185.0	251	84	130.9	221	85	101.8
3/0	340	82	175.7	286	84	124.2	251	86	96.3
4/0	388	82	166.2	325	85	116.8	286	86	90.6
250	425	82	151.6	357	84	107.3	314	85	83.1
300	471	82	145.3	396	84	102.4	348	86	79.5
350	514	82	139.8	432	85	98.7	380	86	76.3
400	555	83	135.3	465	85	95.2	409	86	73.7
500	629	83	128.1	528	85	90.0	464	86	69.6
600	696	83	117.9	584	85	83.0	514	86	64.4
750	788	83	111.6	661	85	78.5	582	86	60.9
1000	924	84	103.9	774	86	72.8	681	87	56.3

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	52	79	365.7	44	82	259.3	38	84	200.8
10	67	80	336.5	56	83	237.2	49	85	182.3
8	86	79	268.7	72	82	189.1	63	84	146.6
6	111	81	246.2	93	83	172.6	81	85	133.0
4	143	82	222.9	119	84	155.2	104	86	119.0
2	185	83	199.8	154	85	138.5	134	86	105.7
1	209	82	169.8	174	84	118.4	152	86	90.5
1/0	237	82	160.8	198	85	111.5	173	86	85.3
2/0	270	83	151.7	225	85	105.2	196	86	80.2
3/0	307	83	143.3	255	85	98.9	223	87	75.3
4/0	349	84	134.7	290	86	92.7	253	87	70.7
250	382	83	122.4	317	85	84.6	277	86	64.5
300	422	84	116.8	351	86	80.4	306	87	61.3
350	460	84	111.9	381	86	77.1	333	87	58.6
400	495	84	107.8	410	86	74.2	358	87	56.4
500	560	85	101.3	464	86	69.6	404	87	52.8
600	617	84	93.0	512	86	63.8	447	87	48.7
750	697	85	87.3	577	86	59.9	503	87	45.5
1000	813	85	80.3	672	87	54.9	586	88	41.8

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	52	69	357.7	44	72	258.0	39	74	203.5
10	68	70	331.8	57	73	238.4	51	74	185.8
8	87	69	266.0	74	72	191.8	65	74	150.2
6	112	71	246.2	95	73	175.8	84	75	137.8
4	146	72	225.0	123	74	160.0	108	75	124.4
2	189	73	203.3	159	75	143.7	140	76	111.6
1	214	72	173.2	181	74	123.3	159	75	95.9
1/0	244	72	164.8	206	74	117.0	181	76	91.2
2/0	279	73	156.7	234	75	111.0	207	76	86.0
3/0	318	73	148.6	267	75	105.1	235	76	81.4
4/0	362	74	140.6	304	75	99.0	268	77	76.6
250	397	73	128.4	334	75	90.6	294	76	70.5
300	440	73	123.0	370	75	86.6	326	76	67.2
350	481	74	118.3	403	76	83.5	355	77	64.7
400	518	74	114.6	435	76	80.5	383	77	62.4
500	588	74	108.5	493	76	76.1	433	77	58.8
600	650	74	99.9	546	76	70.3	480	77	54.5
750	736	74	94.5	618	76	66.4	543	77	51.4
1000	862	75	87.9	722	76	61.6	635	77	47.7

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	48	70	308.5	41	73	219.4	36	75	170.2
10	63	72	285.1	52	74	199.8	46	75	154.2
8	80	71	227.1	67	74	160.2	59	75	124.0
6	103	72	208.2	87	74	145.7	76	76	112.4
4	134	73	188.7	111	75	131.3	98	76	100.5
2	172	74	169.4	143	76	116.8	125	77	89.4
1	195	73	143.8	163	75	99.8	142	76	76.8
1/0	222	74	135.9	185	76	94.4	162	77	72.3
2/0	252	74	128.5	210	76	89.0	183	77	68.2
3/0	287	74	121.1	238	76	83.7	208	77	63.8
4/0	326	75	113.7	271	76	78.4	236	77	59.8
250	357	74	103.5	296	76	71.7	259	77	54.7
300	395	75	98.6	328	76	68.1	286	77	52.0
350	430	75	94.8	357	77	65.2	311	77	49.7
400	463	75	91.2	384	77	62.7	335	77	47.7
500	523	75	85.7	433	77	58.8	378	78	44.6
600	577	75	78.7	478	77	54.1	417	77	41.1
750	651	76	73.9	539	77	50.6	470	78	38.5
1000	759	76	68.1	627	77	46.5	547	78	35.3

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	50	65	324.5	43	68	235.4	38	69	184.8
10	65	66	301.4	55	69	216.2	49	70	169.4
8	83	65	241.6	71	68	174.6	63	70	136.6
6	108	66	224.1	91	69	159.9	81	70	125.1
4	140	67	204.4	118	70	145.6	104	71	112.8
2	182	68	185.2	153	70	130.9	135	71	101.6
1	206	67	157.5	174	70	112.0	153	71	87.6
1/0	235	68	149.9	198	70	106.6	174	71	82.6
2/0	268	68	142.6	225	70	101.0	199	71	78.2
3/0	305	69	135.2	257	71	95.5	226	72	74.1
4/0	348	69	127.7	292	71	89.9	257	72	69.6
250	381	69	116.7	321	70	82.4	283	72	63.9
300	423	69	111.8	355	71	79.0	313	72	61.1
350	462	69	107.5	388	71	75.7	341	72	58.9
400	498	69	104.1	418	71	73.2	368	72	56.6
500	565	70	98.6	474	71	69.1	417	72	53.5
600	625	69	90.8	524	71	64.0	461	72	49.5
750	708	70	86.0	593	71	60.5	522	72	46.8
1000	829	70	79.8	694	72	56.0	610	72	43.3

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	47	66	280.6	39	69	199.5	35	70	154.3
10	60	67	259.4	50	70	182.3	44	71	140.2
8	77	67	206.3	65	69	145.7	57	71	112.2
6	99	68	189.2	83	70	133.0	73	71	102.1
4	128	69	171.6	107	71	119.7	94	72	91.6
2	166	70	153.6	138	71	106.3	121	72	81.2
1	187	69	130.6	156	71	91.0	137	72	70.0
1/0	213	69	123.7	178	71	85.8	155	72	65.9
2/0	242	70	116.8	202	71	80.6	176	72	61.9
3/0	276	70	110.0	229	72	76.0	200	72	58.1
4/0	314	70	103.6	260	72	71.4	227	73	54.2
250	343	70	94.1	285	71	65.1	249	72	49.7
300	379	70	89.8	315	72	61.9	275	72	47.3
350	413	70	86.2	343	72	59.1	299	73	45.0
400	445	71	82.9	369	72	56.9	322	73	43.5
500	503	71	78.0	416	72	53.5	363	73	40.8
600	554	71	71.6	460	72	49.1	401	73	37.4
750	626	71	67.2	518	72	46.0	452	73	35.0
1000	729	71	61.8	603	72	42.3	525	73	32.1

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	46	57	260.6	39	59	187.5	34	60	147.6
10	59	58	241.9	50	60	172.9	44	61	135.5
8	76	57	193.6	64	59	139.3	57	61	109.5
6	98	58	178.9	83	60	128.3	73	61	99.8
4	127	59	163.4	107	61	116.2	95	62	90.3
2	165	60	147.8	139	61	104.6	122	62	81.2
1	187	59	126.2	158	61	89.5	139	62	70.0
1/0	214	59	120.1	180	61	85.3	159	62	66.4
2/0	244	60	113.9	205	61	80.6	181	62	62.8
3/0	278	60	108.1	233	61	76.4	205	62	59.2
4/0	317	60	102.2	266	62	72.1	234	62	55.6
250	347	60	93.4	292	61	66.1	257	62	51.3
300	385	60	89.2	323	62	63.1	285	62	49.0
350	420	60	86.2	353	62	60.8	310	63	47.0
400	453	61	83.4	380	62	58.7	334	63	45.4
500	514	61	78.7	431	62	55.4	379	63	42.7
600	568	61	72.7	477	62	51.0	420	63	39.6
750	643	61	68.8	539	62	48.2	474	63	37.3
1000	753	61	63.9	630	62	44.9	554	63	34.7

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	42	58	224.7	36	60	159.6	31	61	123.7
10	55	59	206.8	46	61	146.0	40	62	112.2
8	70	58	164.7	59	60	116.7	52	61	90.5
6	90	59	151.2	76	61	106.1	66	62	81.5
4	117	60	137.4	97	62	95.7	85	62	73.2
2	151	61	123.3	125	62	85.3	110	63	64.8
1	170	60	104.2	142	61	72.9	125	62	55.8
1/0	194	60	98.9	162	62	68.6	141	63	52.4
2/0	221	61	93.5	183	62	64.8	160	63	49.5
3/0	251	61	88.3	208	62	60.7	182	63	46.6
4/0	285	61	82.9	237	62	57.0	207	63	43.4
250	312	61	75.5	259	62	51.9	226	63	39.6
300	345	61	71.9	286	62	49.6	250	63	37.9
350	376	61	68.8	312	62	47.3	272	63	36.2
400	404	61	66.3	335	63	45.6	293	63	34.9
500	457	62	62.4	379	63	42.7	330	63	32.6
600	504	62	57.1	418	63	39.4	365	63	29.8
750	569	62	53.7	471	63	36.8	411	63	28.1
1000	662	62	49.5	547	63	33.9	477	63	25.6

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	37	45	162.2	31	46	117.0	28	47	91.8
10	48	46	150.7	41	47	108.7	36	48	84.1
8	62	45	121.2	52	47	86.9	46	47	68.8
6	80	46	111.6	67	47	80.0	60	48	62.5
4	103	46	102.6	87	47	72.5	77	48	56.8
2	134	47	92.3	113	48	65.4	99	48	50.8
1	152	46	78.8	128	47	56.3	113	48	43.5
1/0	173	46	75.0	146	47	53.3	129	48	41.5
2/0	198	47	71.1	166	48	50.3	147	48	39.1
3/0	225	47	67.6	189	48	47.8	167	48	37.1
4/0	257	47	64.0	216	48	45.1	190	48	35.0
250	281	47	58.2	237	48	41.2	209	48	32.1
300	312	47	55.8	262	48	39.3	231	48	30.5
350	341	47	53.9	286	48	37.9	252	48	29.3
400	368	47	52.2	308	48	36.7	271	49	28.3
500	417	47	49.2	349	48	34.6	307	49	26.9
600	460	47	45.4	387	48	32.0	340	49	24.9
750	521	47	42.9	437	48	30.2	385	49	23.3
1000	609	48	40.0	510	48	28.1	449	49	21.6

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	34	46	141.0	29	47	99.7	25	48	77.1
10	44	46	129.7	37	47	91.1	33	48	70.1
8	57	46	103.2	48	47	73.3	42	48	56.1
6	73	46	95.0	61	47	66.5	54	48	51.5
4	95	47	85.5	79	48	59.5	69	48	45.8
2	122	47	77.1	102	48	53.2	89	49	40.9
1	138	47	65.1	115	48	45.5	101	48	34.7
1/0	157	47	61.9	131	48	42.9	115	48	33.0
2/0	179	47	58.2	149	48	40.3	130	49	30.8
3/0	203	47	55.0	169	48	37.8	148	49	29.0
4/0	231	48	51.8	192	48	35.7	168	49	27.3
250	253	47	47.2	210	48	32.4	184	49	24.9
300	280	48	44.9	232	48	30.8	203	49	23.5
350	305	48	43.1	253	48	29.6	221	49	22.7
400	328	48	41.4	272	49	28.6	237	49	21.8
500	371	48	38.9	307	49	26.6	268	49	20.4
600	409	48	35.7	339	49	24.7	296	49	18.6
750	461	48	33.6	382	49	22.9	333	49	17.6
1000	536	48	30.9	443	49	21.1	386	49	16.1

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	51	79	347.1	43	82	247.3	38	84	192.8
10	65	80	320.1	55	83	225.5	48	85	175.3
8	83	80	254.3	70	83	181.0	62	84	140.3
6	108	81	232.8	90	84	163.9	79	85	127.5
4	139	82	210.6	116	85	147.7	102	86	113.5
2	179	83	188.1	149	85	131.4	131	86	101.1
1	202	82	159.5	169	85	112.0	149	86	86.6
1/0	230	83	150.8	192	85	105.7	169	86	81.3
2/0	261	83	142.2	218	85	99.4	191	86	76.5
3/0	297	84	133.7	248	86	93.2	217	87	71.8
4/0	337	84	125.6	281	86	87.1	246	87	67.2
250	369	84	114.2	308	86	79.6	270	87	61.4
300	407	84	108.6	340	86	75.7	298	87	58.1
350	444	84	104.2	370	86	72.4	324	87	55.5
400	477	85	100.2	398	86	69.5	348	87	53.5
500	539	85	94.1	449	87	65.0	393	87	49.9
600	594	85	86.1	495	86	59.7	434	87	45.8
750	670	85	80.6	558	87	55.9	489	87	42.9
1000	780	86	74.0	649	87	51.2	568	88	39.3

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Interface			Interface			Interface		
	Temp Flux			Temp Flux			Temp Flux		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	100% LF								
12	45	81	280.6	38	84	196.8	33	85	150.3
10	58	82	255.9	49	85	177.6	43	86	135.5
8	74	82	202.7	62	84	141.2	54	86	107.7
6	96	83	183.7	79	85	127.5	69	86	97.4
4	123	84	164.1	102	86	112.8	89	87	86.2
2	157	85	145.5	130	86	99.9	114	87	75.9
1	178	84	122.8	147	86	84.6	129	87	64.6
1/0	201	84	115.6	167	86	79.5	145	87	60.5
2/0	228	85	108.5	189	87	74.4	165	87	56.5
3/0	258	85	101.6	214	87	69.5	186	88	52.7
4/0	293	86	94.8	242	87	64.7	211	88	49.0
250	320	85	85.9	264	87	58.8	230	88	44.7
300	352	86	81.3	291	87	55.5	254	88	42.0
350	383	86	77.7	316	87	52.8	275	88	40.1
400	411	86	74.5	339	87	50.6	295	88	38.3
500	463	86	69.4	382	88	47.0	332	88	35.8
600	509	86	63.1	420	87	43.0	366	88	32.7
750	572	86	58.9	472	88	39.9	411	88	30.2
1000	663	87	53.5	546	88	36.3	475	88	27.4

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	47	71	293.9	40	73	210.1	35	75	163.6
10	61	72	269.9	51	74	191.6	45	76	148.4
8	78	71	215.4	66	74	152.9	58	75	118.5
6	101	72	197.1	84	75	138.6	74	76	107.7
4	130	73	177.8	109	75	125.1	95	76	96.4
2	167	74	158.9	140	76	111.0	123	77	85.3
1	189	73	135.0	158	75	94.9	139	76	72.9
1/0	215	74	127.8	180	76	89.4	158	77	68.6
2/0	244	74	120.1	204	76	84.0	179	77	64.4
3/0	277	75	113.1	231	76	78.7	203	77	60.7
4/0	315	75	106.4	263	77	73.8	230	77	56.7
250	344	75	96.6	287	76	67.3	252	77	51.9
300	381	75	91.9	318	77	64.0	278	77	49.3
350	415	75	88.2	346	77	61.1	303	78	47.0
400	446	75	84.9	372	77	58.7	326	78	45.1
500	504	76	79.7	419	77	55.2	367	78	42.2
600	555	76	72.9	463	77	50.6	405	78	38.9
750	626	76	68.4	521	77	47.2	456	78	36.4
1000	729	76	62.6	606	77	43.3	530	78	33.2

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	43	73	238.0	36	75	166.2	31	76	127.7
10	55	74	216.2	45	76	150.7	40	77	114.5
8	70	73	171.0	58	75	119.4	51	76	91.4
6	89	74	155.2	74	76	107.7	65	77	82.3
4	115	75	138.8	95	76	95.7	83	77	73.2
2	147	76	123.3	122	77	84.1	106	78	64.3
1	166	75	104.2	138	77	71.4	120	77	54.8
1/0	188	75	98.0	156	77	67.3	136	78	51.0
2/0	213	76	91.9	176	77	62.8	154	78	47.8
3/0	242	76	86.0	200	77	58.8	174	78	44.7
4/0	274	76	80.1	226	78	54.6	197	78	41.6
250	299	76	72.7	247	77	49.7	215	78	37.8
300	329	76	68.7	272	77	47.0	237	78	35.5
350	358	76	65.5	295	78	44.8	257	78	34.0
400	384	77	62.9	317	78	42.7	276	78	32.5
500	433	77	58.6	357	78	39.8	310	78	30.2
600	476	77	53.4	392	78	36.3	342	78	27.7
750	535	77	49.8	441	78	33.8	383	78	25.7
1000	619	77	45.3	510	78	30.7	443	79	23.2

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	45	67	267.3	38	69	190.2	34	70	147.6
10	59	68	245.4	49	70	174.1	43	71	134.4
8	75	67	195.4	63	69	139.3	56	71	107.7
6	97	68	178.9	81	70	126.7	71	71	97.4
4	125	69	162.1	104	71	113.5	92	72	87.5
2	161	70	144.9	134	71	101.1	118	72	77.7
1	182	69	122.8	152	71	86.1	134	72	66.5
1/0	206	69	116.1	173	71	81.3	152	72	62.8
2/0	235	70	109.3	196	71	76.5	172	72	58.6
3/0	267	70	103.2	222	72	71.8	195	72	55.0
4/0	303	71	96.6	253	72	67.2	221	73	51.4
250	331	70	87.8	276	72	61.4	242	72	47.2
300	366	70	83.7	305	72	58.1	268	73	44.6
350	399	71	80.1	332	72	55.5	291	73	42.8
400	429	71	77.1	357	72	53.5	313	73	41.2
500	484	71	72.2	403	72	50.2	353	73	38.4
600	534	71	66.2	445	72	46.1	389	73	35.2
750	602	71	62.0	501	72	43.1	439	73	33.0
1000	700	72	57.0	582	73	39.5	509	73	30.2

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	41	68	215.4	34	70	150.3	30	71	115.7
10	52	69	196.3	44	71	136.7	38	72	105.2
8	67	69	155.6	56	71	108.6	49	72	83.2
6	86	70	140.9	71	71	97.4	62	72	74.4
4	110	70	126.5	91	72	86.8	80	73	66.3
2	141	71	112.2	117	72	76.5	102	73	58.4
1	160	70	94.4	132	72	65.1	116	73	49.4
1/0	181	71	89.0	150	72	61.0	131	73	46.5
2/0	205	71	83.6	170	72	57.0	148	73	43.2
3/0	232	71	77.9	192	73	53.5	167	73	40.5
4/0	263	72	72.8	217	73	49.7	189	73	37.8
250	287	71	66.1	237	73	45.3	207	73	34.3
300	317	72	62.5	262	73	42.6	228	73	32.3
350	344	72	59.7	284	73	40.6	247	73	30.9
400	369	72	57.2	305	73	39.1	265	73	29.6
500	416	72	53.3	343	73	36.2	298	74	27.4
600	457	72	48.7	377	73	33.1	328	73	25.1
750	514	72	45.3	423	73	30.8	368	74	23.3
1000	595	73	41.2	490	73	27.9	426	74	21.1

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	41	58	214.1	35	60	152.9	31	61	118.3
10	53	59	196.3	45	61	139.0	39	62	107.5
8	68	59	156.5	57	61	111.3	51	62	86.0
6	88	60	143.3	74	61	101.3	65	62	78.4
4	113	60	129.2	95	62	90.9	83	62	69.7
2	146	61	115.7	122	62	80.6	107	63	61.9
1	165	60	98.3	138	62	69.0	122	62	53.3
1/0	188	61	93.0	157	62	65.0	138	63	50.1
2/0	213	61	87.7	178	62	61.1	156	63	47.0
3/0	242	61	82.5	202	62	57.3	177	63	43.9
4/0	276	61	77.3	230	63	53.9	201	63	41.3
250	301	61	70.5	251	62	49.1	220	63	37.8
300	333	61	66.9	278	63	46.7	243	63	35.8
350	362	62	64.1	302	63	44.5	265	63	34.3
400	390	62	61.6	325	63	42.7	285	63	32.8
500	440	62	57.8	366	63	40.1	321	63	30.7
600	485	62	53.0	404	63	36.8	354	63	28.3
750	547	62	49.6	455	63	34.4	399	63	26.5
1000	636	62	45.6	529	63	31.6	463	64	24.2

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	37	60	172.9	31	61	121.0	27	62	93.1
10	48	60	157.7	40	62	109.8	35	63	84.1
8	61	60	124.9	51	62	86.9	44	62	67.0
6	78	61	113.2	65	62	78.4	57	63	60.2
4	100	61	101.2	83	62	69.7	73	63	53.3
2	129	62	89.4	106	63	61.3	93	63	46.7
1	145	61	75.8	120	62	51.9	105	63	39.6
1/0	164	62	71.3	136	63	48.8	119	63	37.0
2/0	186	62	66.9	154	63	45.7	134	63	34.9
3/0	211	62	62.7	175	63	42.8	152	64	32.5
4/0	239	62	58.4	198	63	39.9	172	64	30.1
250	261	62	52.9	216	63	36.2	188	64	27.4
300	288	62	50.2	238	63	34.0	207	64	25.8
350	313	62	47.8	258	63	32.6	225	64	24.6
400	336	63	45.9	277	63	31.2	241	64	23.6
500	378	63	42.7	312	64	29.0	271	64	22.1
600	416	63	38.9	343	63	26.4	298	64	20.1
750	467	63	36.2	385	64	24.7	335	64	18.6
1000	540	63	33.0	445	64	22.3	387	64	16.8

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	75% LF								
12	34	46	134.3	28	47	95.7	25	48	74.5
10	43	46	122.7	36	47	86.5	32	48	67.8
8	55	46	97.7	47	47	69.7	41	48	54.3
6	71	47	89.5	60	48	63.3	53	48	49.1
4	92	47	80.7	77	48	56.8	68	48	43.8
2	119	47	72.4	99	48	50.2	87	49	38.6
1	134	47	61.2	112	48	43.0	99	48	33.3
1/0	152	47	57.8	127	48	40.6	112	49	31.2
2/0	173	47	54.9	145	48	38.2	127	49	29.5
3/0	197	48	51.6	164	48	35.9	144	49	27.5
4/0	224	48	48.3	186	49	33.6	163	49	25.9
250	244	48	44.0	204	48	30.5	179	49	23.6
300	270	48	41.7	225	48	29.1	198	49	22.3
350	294	48	40.1	245	49	27.9	215	49	21.3
400	316	48	38.5	263	49	26.7	231	49	20.5
500	357	48	36.2	297	49	25.0	260	49	19.2
600	393	48	33.1	328	49	22.9	287	49	17.7
750	443	48	31.0	369	49	21.5	323	49	16.4
1000	515	48	28.4	428	49	19.6	375	49	15.1

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Aluminum Conductor - Concentric Strand

Condr Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
	Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
	Interface								
	Temp Flux								
	100% LF								
12	30	47	107.7	25	48	75.8	22	48	58.5
10	39	47	98.1	32	48	67.8	28	48	52.6
8	49	47	77.8	41	48	54.3	36	48	41.6
6	63	47	70.5	53	48	49.1	46	49	37.2
4	81	48	62.9	67	48	43.8	59	49	33.5
2	104	48	56.1	86	49	38.6	75	49	29.2
1	118	48	47.5	98	48	32.8	85	49	24.9
1/0	133	48	44.7	111	49	30.7	96	49	23.0
2/0	151	48	41.6	125	49	28.7	109	49	21.6
3/0	171	48	39.0	142	49	26.7	123	49	20.2
4/0	194	48	36.4	160	49	24.8	140	49	18.9
250	212	48	33.0	175	49	22.7	153	49	17.0
300	234	48	31.4	193	49	21.4	168	49	16.1
350	254	48	29.8	209	49	20.4	182	49	15.5
400	273	49	28.6	225	49	19.4	196	49	14.7
500	307	49	26.6	253	49	18.2	220	49	13.7
600	337	49	24.2	278	49	16.7	242	49	12.5
750	378	49	22.7	312	49	15.4	271	49	11.7
1000	438	49	20.5	360	49	14.0	313	49	10.5

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Conduit in Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

90°C - Aluminum Conductor - Concentric Strand

12	22	23	16	19
10	29	30	21	24
8	39	40	28	33
6	50	52	37	43
4	66	69	49	56
2	87	91	65	74
1	102	107	76	88
1/0	117	123	87	101
2/0	135	141	100	116
3/0	162	168	118	134
4/0	186	193	136	155
250	208	216	152	173
300	233	242	170	194
350	255	266	187	213
400	277	289	203	231
500	317	331	232	265
600	369	384	267	302
750	423	440	306	346
1000	501	522	363	411

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Conduit in Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

75°C - Aluminum Conductor - Concentric Strand

12	19	19	11	14
10	24	25	14	18
8	33	34	18	24
6	43	44	24	32
4	56	58	32	42
2	73	77	42	55
1	86	90	49	65
1/0	99	104	56	75
2/0	114	120	65	86
3/0	136	142	74	98
4/0	157	163	86	113
250	175	183	96	126
300	196	205	107	141
350	215	225	118	155
400	233	244	128	168
500	267	280	146	193
600	311	324	165	216
750	355	371	189	247
1000	420	440	224	293

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

90°C - Aluminum Conductor - Concentric Strand

12	28	37	23	34
10	37	49	30	44
8	52	67	41	59
6	69	88	55	78
4	94	117	74	103
2	127	156	100	136
1	152	183	118	158
1/0	177	212	137	182
2/0	206	246	160	210
3/0	240	285	186	242
4/0	281	330	216	279
250	317	370	243	310
300	358	416	274	348
350	397	460	303	384
400	435	502	331	418
500	505	581	383	481
600	574	655	434	539
750	666	757	502	620
1000	805	910	603	740

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

75°C - Aluminum Conductor - Concentric Strand

12	23	32	16	27
10	31	42	21	36
8	43	57	29	47
6	57	75	38	62
4	77	100	50	81
2	105	133	67	107
1	126	156	79	123
1/0	146	180	92	141
2/0	171	209	106	162
3/0	199	242	123	186
4/0	233	281	142	214
250	263	314	159	237
300	297	353	179	265
350	330	391	197	291
400	361	426	215	316
500	419	493	247	362
600	476	556	278	404
750	553	642	319	462
1000	668	770	381	547

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Single Isolated Cable

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

90°C - Aluminum Conductor - Concentric Strand

12	34	49	28	45
10	45	64	38	60
8	63	86	52	79
6	84	114	69	104
4	113	152	92	138
2	154	202	124	183
1	183	234	147	210
1/0	213	271	170	242
2/0	248	314	198	279
3/0	289	364	230	322
4/0	338	422	268	372
250	380	468	300	410
300	430	526	339	460
350	477	581	375	506
400	522	634	410	550
500	607	732	475	632
600	688	819	536	703
750	800	946	621	808
1000	971	1138	750	965

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Single Isolated Cable

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

75°C - Aluminum Conductor - Concentric Strand

12	28	42	20	37
10	38	55	27	49
8	52	73	37	64
6	70	97	49	85
4	94	129	65	112
2	127	173	87	148
1	152	200	102	169
1/0	177	231	118	194
2/0	206	268	137	223
3/0	240	310	159	257
4/0	281	360	184	296
250	316	399	205	325
300	357	448	231	363
350	397	495	255	398
400	434	540	277	432
500	505	623	320	494
600	572	698	359	548
750	665	805	414	626
1000	807	968	497	743

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Unventilated Riser - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr
Size

90°C - Aluminum Conductor - Concentric Strand

12	20	21	17	19
10	27	28	22	25
8	36	39	31	35
6	48	52	41	47
4	63	69	54	63
2	84	92	71	84
1	98	109	83	99
1/0	112	125	96	115
2/0	129	144	110	132
3/0	162	177	138	157
4/0	186	204	159	181
250	207	228	177	203
300	231	255	197	227
350	253	280	216	250
400	274	303	234	271
500	313	346	267	310
600	372	406	317	359
750	422	462	361	410
1000	495	543	422	486

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable
in Unventilated Riser - Triplexed

40°C Air Ambient

No Sun Full Sun
0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr
Size

75°C - Aluminum Conductor - Concentric Strand

12	17	18	12	15
10	22	24	16	19
8	30	33	22	27
6	40	43	29	36
4	52	57	39	48
2	69	76	51	65
1	81	90	61	77
1/0	93	104	70	89
2/0	106	120	81	102
3/0	134	147	99	119
4/0	154	169	114	138
250	171	189	128	155
300	191	211	143	173
350	209	232	157	191
400	226	252	170	207
500	257	288	195	238
600	306	337	230	272
750	348	384	262	312
1000	406	451	310	369

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	238	62	148.0	211	68	116.4	192	72	96.3
4	Full	250	59	136.6	224	65	109.4	204	69	91.4
3	1/2	273	63	148.1	241	69	115.6	219	72	95.2
3	Full	286	60	136.6	256	66	108.8	233	70	90.5
2	1/2	312	64	147.4	275	70	114.8	249	73	94.2
2	Full	329	61	136.8	292	67	107.8	266	71	89.7
1	1/2	358	65	146.2	315	71	112.9	284	74	92.4
1	Full	378	62	136.2	335	68	106.7	304	72	88.1
1/0	1/2	410	66	145.0	359	72	111.0	324	75	90.6
1/0	Full	433	64	135.0	383	69	105.6	347	73	86.5
2/0	1/2	470	67	143.1	410	73	109.1	370	76	88.5
2/0	Full	497	65	133.6	437	70	103.5	396	74	84.6
3/0	1/2	538	68	140.6	469	74	106.5	421	77	86.1
3/0	Full	570	66	132.1	500	71	101.6	451	75	82.9
4/0	1/2	616	70	137.8	535	75	103.7	480	78	83.4
4/0	Full	654	67	129.7	572	72	99.1	515	76	80.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	224	65	130.6	195	71	99.6	176	75	80.5
4	Full	236	62	121.3	208	68	94.1	188	72	77.3
3	1/2	255	66	129.8	223	72	98.4	200	75	79.5
3	Full	270	63	120.9	237	69	93.7	214	73	76.4
2	1/2	292	67	128.8	253	73	97.2	227	76	78.2
2	Full	308	64	120.3	270	70	92.2	243	74	75.2
1	1/2	334	68	127.2	289	74	95.3	258	77	76.2
1	Full	354	66	119.1	309	72	91.0	277	75	73.3
1/0	1/2	381	69	125.1	329	75	93.3	294	78	74.3
1/0	Full	404	67	117.8	352	73	89.3	315	76	71.6
2/0	1/2	436	71	122.9	375	76	91.1	334	79	72.2
2/0	Full	463	68	116.0	401	74	87.2	359	77	69.6
3/0	1/2	497	72	120.3	427	76	88.6	380	79	69.9
3/0	Full	529	69	113.8	457	74	84.9	408	78	67.9
4/0	1/2	568	73	117.1	486	77	85.7	431	80	67.4
4/0	Full	605	70	111.4	521	75	82.7	465	78	65.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	222	56	125.1	197	61	98.5	179	64	81.6
4	Full	233	54	115.4	209	59	92.5	191	62	77.3
3	1/2	255	57	125.1	225	62	97.8	204	65	80.6
3	Full	268	55	115.6	239	60	92.1	218	63	76.4
2	1/2	292	58	124.8	257	63	96.7	233	66	79.7
2	Full	307	56	115.8	273	61	91.2	248	64	75.7
1	1/2	335	59	123.8	294	64	95.7	266	67	78.1
1	Full	353	57	115.3	313	62	90.5	284	65	74.8
1/0	1/2	383	60	122.3	336	65	94.2	303	67	76.6
1/0	Full	405	58	114.2	357	63	89.3	324	66	73.4
2/0	1/2	439	61	120.7	384	65	92.4	345	68	74.8
2/0	Full	464	59	113.0	409	63	87.7	370	66	71.8
3/0	1/2	503	62	119.1	438	66	90.2	393	69	72.7
3/0	Full	533	60	111.7	467	64	86.1	422	67	69.9
4/0	1/2	576	63	116.7	500	67	88.0	448	70	70.8
4/0	Full	611	61	109.8	534	65	84.2	481	68	68.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	209	59	110.5	183	64	84.3	164	67	68.6
4	Full	220	57	102.8	194	62	80.0	176	65	65.3
3	1/2	239	60	109.9	208	65	83.2	187	68	67.5
3	Full	252	57	102.6	221	63	79.0	200	66	64.4
2	1/2	273	61	108.8	237	65	82.2	212	68	66.2
2	Full	288	58	101.8	252	63	78.2	227	67	63.7
1	1/2	312	62	107.6	270	66	80.5	242	69	64.3
1	Full	330	59	101.0	288	64	76.7	259	67	61.9
1/0	1/2	356	63	106.0	308	67	78.8	275	70	63.0
1/0	Full	378	60	99.7	329	65	75.2	295	68	60.7
2/0	1/2	407	64	104.0	350	68	76.9	312	70	61.0
2/0	Full	432	61	98.0	375	66	73.9	335	69	58.9
3/0	1/2	465	64	101.6	399	69	74.8	355	71	59.3
3/0	Full	494	62	96.3	427	67	71.9	382	70	57.3
4/0	1/2	531	65	99.1	454	69	72.3	403	72	57.0
4/0	Full	565	63	94.2	487	68	69.7	434	70	55.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	214	53	113.7	190	58	89.8	173	61	74.0
4	Full	224	51	105.0	201	56	83.8	184	59	70.2
3	1/2	245	54	113.5	217	59	89.0	197	62	73.3
3	Full	257	52	105.2	229	57	83.7	209	60	69.6
2	1/2	280	55	113.3	247	59	88.2	224	62	72.2
2	Full	295	53	105.3	262	57	83.2	239	60	68.7
1	1/2	322	56	112.4	283	60	86.7	255	63	71.0
1	Full	339	54	104.8	300	58	82.4	273	61	67.6
1/0	1/2	368	57	111.5	323	61	85.6	291	64	69.3
1/0	Full	389	55	103.8	344	59	81.1	311	62	66.6
2/0	1/2	422	58	110.0	369	62	83.8	332	64	67.9
2/0	Full	446	56	103.1	393	60	79.9	355	63	65.3
3/0	1/2	483	58	108.1	421	62	82.1	378	65	66.2
3/0	Full	512	56	101.6	449	61	78.0	405	63	63.8
4/0	1/2	553	59	106.0	480	63	80.0	431	65	64.3
4/0	Full	587	57	99.9	513	61	76.5	463	64	62.0

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	201	56	100.1	176	60	76.7	158	63	62.0
4	Full	212	54	93.0	187	58	72.4	169	61	59.3
3	1/2	229	57	99.9	200	61	75.9	180	64	61.2
3	Full	242	55	93.1	213	59	71.7	192	62	58.6
2	1/2	262	57	98.8	228	62	74.7	204	64	60.2
2	Full	277	55	92.7	243	60	71.2	218	63	57.6
1	1/2	300	58	97.6	260	63	73.3	232	65	58.6
1	Full	318	56	91.9	277	61	70.0	249	64	56.2
1/0	1/2	342	59	96.1	296	63	71.6	264	66	57.1
1/0	Full	363	57	90.6	316	62	68.4	283	64	55.3
2/0	1/2	391	60	94.5	337	64	70.0	300	66	55.4
2/0	Full	416	58	89.4	360	62	67.0	322	65	53.7
3/0	1/2	447	61	92.2	383	65	67.9	341	67	53.6
3/0	Full	475	59	87.4	411	63	65.4	367	65	52.0
4/0	1/2	510	62	89.9	436	65	65.8	387	67	52.1
4/0	Full	543	60	85.7	468	64	63.5	417	66	50.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	194	48	90.9	173	51	71.8	157	54	59.3
4	Full	204	46	83.8	183	50	66.9	167	52	56.0
3	1/2	223	48	91.0	197	52	71.2	179	54	58.6
3	Full	234	46	84.2	209	50	67.0	190	53	55.5
2	1/2	255	49	90.7	225	53	70.7	204	55	57.6
2	Full	268	47	84.2	239	51	66.7	217	53	55.1
1	1/2	293	50	90.0	257	53	69.5	232	55	56.7
1	Full	308	48	83.8	273	52	65.7	248	54	54.3
1/0	1/2	335	50	89.3	294	54	68.4	265	56	55.7
1/0	Full	354	49	83.4	312	52	64.8	283	55	53.5
2/0	1/2	384	51	88.1	335	54	67.0	302	56	54.6
2/0	Full	406	49	82.5	357	53	63.6	323	55	52.0
3/0	1/2	439	52	86.6	383	55	65.4	344	57	52.8
3/0	Full	465	50	81.3	408	54	62.6	369	56	50.8
4/0	1/2	503	52	84.6	437	56	63.9	392	57	51.3
4/0	Full	534	51	80.0	467	54	61.2	420	56	49.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	183	50	80.0	160	53	61.5	144	56	49.5
4	Full	192	48	74.5	170	52	58.2	153	54	47.3
3	1/2	208	50	80.1	182	54	60.7	163	56	49.2
3	Full	220	49	74.3	193	52	57.6	175	55	47.1
2	1/2	238	51	79.2	207	54	59.7	186	57	48.1
2	Full	252	49	74.2	221	53	56.6	199	55	46.1
1	1/2	273	52	78.1	236	55	58.6	211	57	46.7
1	Full	289	50	73.3	252	54	55.7	226	56	45.2
1/0	1/2	311	52	77.0	269	56	57.5	240	58	45.8
1/0	Full	330	51	72.5	287	54	54.8	258	56	44.0
2/0	1/2	356	53	75.6	306	56	55.9	273	58	44.3
2/0	Full	378	52	71.3	328	55	53.7	293	57	43.0
3/0	1/2	406	54	74.0	348	57	54.5	310	58	43.1
3/0	Full	432	52	69.9	373	55	52.4	333	57	41.9
4/0	1/2	464	54	72.0	397	57	52.8	352	59	41.7
4/0	Full	494	53	68.5	425	56	50.9	379	58	40.2

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	158	39	57.1	140	41	44.6	127	43	37.0
4	Full	165	38	52.2	148	40	41.9	135	42	34.8
3	1/2	181	40	57.0	160	42	44.5	145	43	36.6
3	Full	190	38	52.3	169	41	41.9	154	42	35.1
2	1/2	207	40	56.6	182	42	44.1	165	44	36.1
2	Full	218	39	52.6	193	41	41.6	176	43	34.6
1	1/2	237	40	56.2	209	43	43.3	188	44	35.2
1	Full	250	39	52.4	222	42	41.0	201	43	33.8
1/0	1/2	272	41	55.7	238	43	42.6	215	44	34.9
1/0	Full	287	40	52.1	253	42	40.3	230	44	33.1
2/0	1/2	311	41	55.0	272	43	42.1	245	45	33.9
2/0	Full	329	40	51.6	290	42	40.0	262	44	32.7
3/0	1/2	356	42	54.0	310	44	41.0	279	45	32.9
3/0	Full	377	41	50.8	331	43	39.0	299	44	31.7
4/0	1/2	408	42	52.8	354	44	39.8	318	45	32.1
4/0	Full	433	41	49.8	379	43	38.3	341	45	31.0

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	148	40	50.1	130	43	38.1	117	44	31.0
4	Full	156	39	46.8	138	42	36.5	124	43	29.9
3	1/2	169	41	49.7	147	43	37.7	132	44	30.3
3	Full	179	40	46.6	157	42	36.1	142	44	29.3
2	1/2	193	41	49.6	168	43	37.6	150	45	30.1
2	Full	204	40	46.1	179	43	35.6	161	44	28.6
1	1/2	221	42	49.1	191	44	36.7	171	45	29.5
1	Full	234	41	45.7	204	43	34.8	184	44	28.1
1/0	1/2	253	42	48.0	218	44	35.8	195	45	28.5
1/0	Full	268	41	45.3	233	43	34.4	209	45	27.6
2/0	1/2	289	43	47.3	248	44	34.8	221	46	27.9
2/0	Full	307	42	44.7	266	44	33.5	238	45	26.6
3/0	1/2	329	43	46.3	283	45	34.1	251	46	26.8
3/0	Full	350	42	43.9	303	44	32.5	270	45	26.0
4/0	1/2	376	43	45.2	322	45	32.9	286	46	26.0
4/0	Full	401	42	42.9	345	44	31.8	308	46	25.3

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	196	71	142.0	170	76	106.6	152	78	85.4
4	Full	208	68	134.3	182	74	102.0	163	77	82.3
3	1/2	224	72	140.6	193	76	104.7	173	79	84.0
3	Full	238	69	133.6	207	74	100.7	186	77	81.0
2	1/2	255	73	139.0	219	77	103.2	196	80	82.2
2	Full	272	70	132.2	235	75	99.3	211	78	79.8
1	1/2	291	74	136.8	250	78	100.7	223	80	80.2
1	Full	311	71	130.4	268	76	97.3	240	79	77.8
1/0	1/2	332	74	134.3	284	79	98.4	253	81	78.2
1/0	Full	355	72	128.2	306	77	95.2	273	80	75.9
2/0	1/2	379	75	131.3	324	79	96.0	288	82	76.0
2/0	Full	405	73	125.8	348	78	93.0	311	80	73.8
3/0	1/2	432	76	128.2	368	80	93.1	327	82	73.6
3/0	Full	462	74	123.0	396	78	90.5	353	81	71.8
4/0	1/2	492	77	124.5	419	81	90.4	372	83	71.2
4/0	Full	527	75	119.9	451	79	88.0	402	81	69.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	180	74	120.1	154	78	87.4	136	81	68.9
4	Full	193	71	114.7	165	76	84.3	147	79	67.0
3	1/2	205	75	118.4	175	79	85.9	155	81	67.3
3	Full	219	72	113.2	188	77	82.9	167	80	65.5
2	1/2	233	75	116.6	198	80	84.0	175	82	65.6
2	Full	250	73	111.7	213	78	81.5	189	80	64.2
1	1/2	266	76	113.8	225	80	81.5	199	82	63.7
1	Full	285	74	109.5	242	79	79.2	215	81	62.3
1/0	1/2	302	77	111.2	255	81	79.5	225	83	61.8
1/0	Full	324	75	107.0	275	79	77.2	243	82	60.6
2/0	1/2	344	78	108.2	290	81	76.9	255	83	59.6
2/0	Full	369	76	104.5	313	80	75.1	276	82	58.3
3/0	1/2	391	79	104.9	329	82	74.4	289	84	57.5
3/0	Full	420	77	101.4	355	81	72.7	313	83	56.6
4/0	1/2	444	79	101.5	373	83	71.5	328	84	55.2
4/0	Full	478	78	98.3	403	81	70.1	355	83	54.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	183	64	120.1	159	68	90.0	142	70	72.3
4	Full	195	62	113.5	170	66	86.2	153	69	69.7
3	1/2	209	65	119.2	180	68	88.8	161	71	71.0
3	Full	222	62	112.9	193	67	85.1	173	69	68.8
2	1/2	238	65	117.7	205	69	87.2	183	71	69.5
2	Full	254	63	111.7	220	67	84.0	197	70	67.4
1	1/2	272	66	115.5	234	70	85.2	208	72	67.7
1	Full	290	64	110.1	251	68	82.2	224	71	66.0
1/0	1/2	310	67	113.4	266	70	83.3	237	72	66.0
1/0	Full	331	65	108.3	286	69	80.4	255	71	64.4
2/0	1/2	354	68	110.9	302	71	81.1	269	73	64.1
2/0	Full	378	66	106.4	325	70	78.7	290	72	62.6
3/0	1/2	403	68	108.3	344	71	79.0	306	73	62.4
3/0	Full	432	67	104.0	370	70	76.4	330	72	60.9
4/0	1/2	460	69	105.3	391	72	76.3	347	74	60.1
4/0	Full	493	67	101.5	422	71	74.4	375	73	58.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	169	66	101.6	144	70	73.9	127	72	58.1
4	Full	180	64	97.0	154	68	71.6	137	71	56.6
3	1/2	192	67	100.3	163	71	72.5	144	73	57.0
3	Full	205	65	95.8	175	69	70.3	156	71	55.5
2	1/2	218	68	98.6	185	71	70.9	164	73	55.7
2	Full	233	66	94.3	199	70	68.8	177	72	54.2
1	1/2	248	68	96.3	210	72	69.0	186	74	53.9
1	Full	266	67	92.6	226	70	67.0	201	72	52.5
1/0	1/2	282	69	93.9	239	72	67.3	210	74	52.2
1/0	Full	303	67	90.7	257	71	65.4	227	73	51.3
2/0	1/2	321	70	91.5	271	73	65.0	238	74	50.4
2/0	Full	345	68	88.4	292	72	63.5	258	73	49.5
3/0	1/2	365	70	88.8	307	73	62.9	270	75	48.6
3/0	Full	392	69	85.9	332	72	61.5	293	74	47.7
4/0	1/2	415	71	85.8	348	74	60.6	306	75	46.8
4/0	Full	446	70	83.1	377	73	59.3	332	74	46.0

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	176	60	109.3	152	64	82.0	136	66	65.4
4	Full	187	58	103.5	163	62	78.5	147	65	63.5
3	1/2	201	61	108.4	173	65	80.7	155	67	64.4
3	Full	214	59	102.5	186	63	77.3	167	65	62.5
2	1/2	229	62	107.1	197	65	79.4	176	67	63.1
2	Full	244	60	101.7	211	64	76.2	189	66	61.3
1	1/2	261	62	105.1	225	66	77.5	200	68	61.6
1	Full	279	61	100.0	241	64	74.8	216	66	60.0
1/0	1/2	298	63	103.2	255	66	75.6	227	68	59.9
1/0	Full	318	61	98.7	274	65	73.4	245	67	58.3
2/0	1/2	340	64	100.9	291	67	73.8	258	69	58.3
2/0	Full	364	62	96.6	313	65	71.4	279	67	56.8
3/0	1/2	388	64	98.6	331	67	71.8	294	69	56.6
3/0	Full	415	63	94.5	356	66	69.5	317	68	55.2
4/0	1/2	442	65	95.8	376	68	69.6	334	69	54.7
4/0	Full	474	63	92.3	405	67	67.7	361	68	53.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	162	63	92.4	138	66	67.3	122	68	52.7
4	Full	173	61	88.1	148	65	65.0	132	67	51.6
3	1/2	184	63	91.0	157	66	65.9	139	68	51.8
3	Full	197	61	87.0	169	65	64.0	150	67	50.3
2	1/2	210	64	89.7	178	67	64.5	157	69	50.3
2	Full	224	62	85.8	191	66	62.7	170	68	49.3
1	1/2	239	64	87.6	202	67	62.6	178	69	48.8
1	Full	256	63	84.2	218	66	61.0	193	68	47.8
1/0	1/2	271	65	85.6	229	68	60.9	202	70	47.4
1/0	Full	291	64	82.4	247	67	59.3	219	69	46.5
2/0	1/2	309	66	83.3	260	68	59.3	229	70	45.9
2/0	Full	331	64	80.2	281	67	57.7	248	69	45.0
3/0	1/2	351	66	80.8	295	69	57.2	260	70	44.3
3/0	Full	377	65	78.2	319	68	55.8	281	69	43.4
4/0	1/2	399	67	78.0	335	69	54.9	294	71	42.5
4/0	Full	429	66	75.8	362	68	53.9	319	70	41.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	160	53	87.4	139	56	65.4	124	58	52.3
4	Full	170	52	82.7	148	55	62.7	133	57	50.8
3	1/2	183	54	86.6	158	57	64.4	141	58	51.4
3	Full	194	52	82.2	169	55	62.2	152	57	50.0
2	1/2	208	54	85.4	179	57	63.5	160	59	50.7
2	Full	222	53	81.2	192	56	61.0	172	58	48.9
1	1/2	238	55	84.2	204	58	62.0	182	59	49.2
1	Full	254	54	80.2	219	56	60.0	196	58	47.8
1/0	1/2	271	55	82.4	232	58	60.6	207	59	48.1
1/0	Full	290	54	78.8	250	57	58.6	223	59	46.8
2/0	1/2	309	56	80.8	264	58	58.9	235	60	46.8
2/0	Full	331	55	77.2	284	57	57.1	254	59	45.6
3/0	1/2	352	56	78.7	301	59	57.5	267	60	45.1
3/0	Full	377	55	75.6	324	58	55.8	288	59	44.3
4/0	1/2	402	57	76.6	342	59	55.5	303	60	43.8
4/0	Full	430	56	73.6	368	58	54.1	328	60	42.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	147	55	73.9	126	58	53.9	111	59	42.3
4	Full	157	54	70.4	135	57	51.9	120	58	41.2
3	1/2	168	56	72.9	143	58	52.9	126	60	41.4
3	Full	179	54	69.6	153	57	51.1	136	59	40.3
2	1/2	191	56	71.6	162	59	51.8	143	60	40.4
2	Full	204	55	68.8	174	58	50.0	154	59	39.4
1	1/2	217	57	70.1	184	59	50.2	162	60	39.1
1	Full	232	55	67.4	198	58	48.8	175	60	38.4
1/0	1/2	247	57	68.3	208	59	48.7	184	61	37.8
1/0	Full	265	56	65.7	225	58	47.4	199	60	37.2
2/0	1/2	281	58	66.5	237	60	47.4	208	61	36.8
2/0	Full	301	56	64.1	255	59	46.2	225	60	35.9
3/0	1/2	319	58	64.7	268	60	45.7	236	61	35.3
3/0	Full	343	57	62.4	290	59	44.5	256	61	34.8
4/0	1/2	363	58	62.5	304	60	44.1	268	61	34.1
4/0	Full	390	57	60.6	329	60	43.0	290	61	33.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	130	43	54.6	112	44	40.8	101	46	32.7
4	Full	138	42	51.6	120	44	39.3	108	45	31.6
3	1/2	148	43	54.0	128	45	40.3	114	46	32.2
3	Full	158	42	51.4	137	44	38.9	123	45	31.1
2	1/2	169	43	53.5	145	45	39.7	130	46	31.6
2	Full	180	42	50.7	156	44	38.3	140	45	30.5
1	1/2	193	44	52.5	166	45	38.7	148	46	30.7
1	Full	206	43	50.2	178	45	37.4	159	46	30.0
1/0	1/2	220	44	51.6	188	46	37.8	168	47	30.1
1/0	Full	235	43	49.3	202	45	36.5	181	46	29.2
2/0	1/2	251	44	50.4	214	46	36.8	191	47	29.2
2/0	Full	268	44	48.3	231	45	35.9	206	46	28.6
3/0	1/2	286	45	49.1	244	46	35.9	217	47	28.2
3/0	Full	306	44	47.1	262	46	34.8	234	46	27.6
4/0	1/2	326	45	47.9	277	46	34.6	246	47	27.3
4/0	Full	349	44	46.0	299	46	33.8	266	47	26.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	120	44	46.2	102	45	33.5	90	46	26.6
4	Full	128	43	44.3	109	45	32.3	97	46	25.8
3	1/2	136	44	45.5	116	46	32.9	102	47	25.9
3	Full	145	43	43.7	124	45	31.8	110	46	25.2
2	1/2	155	44	44.7	131	46	32.3	116	47	25.2
2	Full	165	44	42.9	141	45	31.2	125	46	24.5
1	1/2	176	45	43.8	149	46	31.3	132	47	24.6
1	Full	188	44	42.1	161	46	30.7	142	47	23.9
1/0	1/2	200	45	42.6	169	47	30.4	149	47	23.7
1/0	Full	215	44	41.0	182	46	29.8	161	47	23.4
2/0	1/2	228	45	41.6	192	47	29.5	169	47	23.1
2/0	Full	244	45	40.1	207	46	28.9	183	47	22.5
3/0	1/2	259	46	40.2	218	47	28.5	191	48	22.1
3/0	Full	278	45	39.1	235	46	27.9	207	47	21.8
4/0	1/2	294	46	39.0	247	47	27.6	217	48	21.4
4/0	Full	316	45	37.9	267	47	26.8	235	47	20.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	171	75	143.7	146	79	104.9	130	82	83.0
4	Full	183	73	137.8	157	78	101.8	140	80	80.9
3	1/2	194	76	141.8	166	80	103.2	147	82	81.4
3	Full	208	74	136.2	178	78	100.2	159	81	79.5
2	1/2	221	77	139.3	188	81	101.1	167	83	79.6
2	Full	237	75	134.2	203	79	98.2	180	81	77.7
1	1/2	251	78	136.2	214	81	98.4	189	83	77.1
1	Full	270	76	131.4	230	80	95.7	205	82	75.6
1/0	1/2	286	78	133.3	243	82	95.9	215	84	75.1
1/0	Full	307	77	128.8	262	80	93.6	232	82	73.7
2/0	1/2	326	79	130.0	276	82	93.1	244	84	72.8
2/0	Full	350	77	125.6	298	81	91.0	264	83	71.5
3/0	1/2	371	80	126.2	313	83	90.1	277	84	70.4
3/0	Full	399	78	122.4	339	81	88.3	300	83	69.1
4/0	1/2	422	80	122.3	356	83	87.1	314	85	68.0
4/0	Full	454	79	118.9	385	82	85.4	341	84	66.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	155	78	119.0	131	81	84.7	115	83	65.8
4	Full	167	76	114.9	141	80	82.6	125	82	64.5
3	1/2	176	79	117.0	148	82	82.8	130	84	64.0
3	Full	189	77	113.1	160	81	80.8	141	83	63.0
2	1/2	200	79	114.3	168	82	80.9	148	84	62.5
2	Full	215	78	110.9	182	81	79.0	160	83	61.3
1	1/2	227	80	111.3	191	83	78.3	167	85	60.3
1	Full	245	78	108.0	206	82	76.5	181	84	59.4
1/0	1/2	258	81	108.2	216	83	75.9	189	85	58.2
1/0	Full	278	79	105.4	234	82	74.5	205	84	57.4
2/0	1/2	293	81	105.0	245	84	73.4	214	85	56.3
2/0	Full	316	80	102.3	265	83	72.0	233	84	55.5
3/0	1/2	332	82	101.7	277	84	70.7	243	86	54.3
3/0	Full	359	80	99.1	300	83	69.4	264	85	53.5
4/0	1/2	377	82	97.9	314	85	68.0	275	86	52.1
4/0	Full	407	81	95.7	341	84	66.8	299	85	51.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	159	68	121.7	136	71	88.8	121	73	70.3
4	Full	171	66	116.6	147	70	86.1	131	72	68.6
3	1/2	181	68	120.0	155	72	87.4	137	73	68.9
3	Full	194	67	115.1	167	70	84.7	148	72	67.3
2	1/2	206	69	117.8	176	72	85.6	156	74	67.3
2	Full	221	67	113.4	189	71	83.1	168	73	65.7
1	1/2	235	70	115.2	200	73	83.1	177	74	65.4
1	Full	252	68	111.3	215	71	81.0	191	73	63.9
1/0	1/2	267	70	112.8	227	73	81.1	201	75	63.7
1/0	Full	287	69	109.1	245	72	79.1	217	74	62.2
2/0	1/2	304	71	109.9	258	73	78.8	228	75	61.5
2/0	Full	327	69	106.4	278	72	76.9	247	74	60.4
3/0	1/2	346	71	106.8	293	74	76.3	259	75	59.7
3/0	Full	373	70	103.7	316	73	74.8	280	74	58.6
4/0	1/2	394	72	103.5	333	74	73.8	294	76	57.4
4/0	Full	424	71	100.6	360	73	72.4	318	75	56.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	145	70	100.8	122	73	71.7	108	74	55.5
4	Full	156	68	97.4	132	72	69.9	117	73	54.5
3	1/2	165	70	98.9	139	73	70.2	122	75	54.4
3	Full	177	69	95.6	150	72	68.6	132	74	53.1
2	1/2	187	71	97.0	157	74	68.2	138	75	52.7
2	Full	201	70	93.8	170	73	67.0	149	74	51.8
1	1/2	212	72	94.2	178	74	66.3	156	75	51.0
1	Full	229	70	91.5	193	73	64.8	169	75	50.1
1/0	1/2	241	72	91.6	202	74	64.2	177	76	49.4
1/0	Full	260	71	89.1	218	74	62.8	192	75	48.5
2/0	1/2	274	73	88.8	229	75	62.0	200	76	47.7
2/0	Full	295	71	86.6	248	74	60.9	217	75	47.1
3/0	1/2	311	73	85.8	259	75	59.9	227	76	45.8
3/0	Full	335	72	83.7	281	74	58.9	246	76	45.3
4/0	1/2	352	74	82.7	294	76	57.4	257	77	43.9
4/0	Full	381	72	81.0	318	75	56.4	279	76	43.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	153	64	110.7	131	67	80.9	116	69	63.8
4	Full	164	62	105.9	141	66	78.2	126	68	62.4
3	1/2	174	64	109.1	149	67	79.5	132	69	62.6
3	Full	187	63	104.8	160	66	77.2	143	68	61.0
2	1/2	198	65	107.1	169	68	77.7	150	69	61.3
2	Full	213	63	103.3	182	67	75.5	162	68	59.7
1	1/2	226	66	104.7	192	68	75.6	170	70	59.4
1	Full	242	64	101.1	207	67	73.8	184	69	58.2
1/0	1/2	257	66	102.5	218	69	73.7	193	70	57.7
1/0	Full	276	65	99.1	235	68	71.9	209	69	56.5
2/0	1/2	292	67	99.9	248	69	71.5	219	70	56.0
2/0	Full	315	65	96.7	268	68	69.9	237	70	55.0
3/0	1/2	333	67	97.0	281	69	69.4	248	71	54.3
3/0	Full	358	66	94.2	304	68	67.9	269	70	53.3
4/0	1/2	379	68	94.1	320	70	67.0	282	71	52.3
4/0	Full	408	66	91.4	346	69	65.6	306	70	51.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	140	66	91.5	118	68	65.1	104	70	50.4
4	Full	150	64	88.5	127	67	63.4	112	69	49.4
3	1/2	158	66	90.0	133	69	63.6	117	70	49.5
3	Full	170	65	87.0	144	68	62.3	127	69	48.5
2	1/2	180	67	88.1	151	69	62.2	133	71	48.0
2	Full	193	65	85.3	163	68	60.6	144	70	47.1
1	1/2	204	67	85.5	171	70	60.3	150	71	46.5
1	Full	220	66	83.1	185	69	58.8	163	70	45.6
1/0	1/2	232	68	83.4	194	70	58.2	170	71	44.8
1/0	Full	250	67	81.1	210	69	57.1	184	70	44.3
2/0	1/2	263	68	80.7	220	70	56.3	193	71	43.3
2/0	Full	284	67	78.8	238	69	55.5	209	71	42.8
3/0	1/2	298	69	78.1	249	71	54.3	218	72	41.7
3/0	Full	322	68	76.3	270	70	53.5	237	71	41.2
4/0	1/2	339	69	75.2	282	71	52.3	247	72	40.0
4/0	Full	366	68	73.6	306	70	51.4	268	71	39.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	139	56	88.5	119	58	64.5	106	60	51.1
4	Full	149	55	84.7	128	57	62.7	114	59	49.7
3	1/2	158	57	87.4	135	59	63.3	120	60	50.1
3	Full	170	55	83.7	146	58	61.7	130	59	48.8
2	1/2	180	57	85.6	153	59	62.2	136	60	49.0
2	Full	193	56	82.4	165	58	60.3	147	60	47.7
1	1/2	205	57	84.0	174	60	60.6	155	61	47.4
1	Full	220	56	81.0	188	59	59.1	167	60	46.5
1/0	1/2	234	58	81.9	198	60	59.1	175	61	46.3
1/0	Full	251	57	79.4	214	59	57.7	190	60	45.4
2/0	1/2	266	58	79.9	225	60	57.4	199	61	44.7
2/0	Full	286	57	77.4	243	59	56.0	216	61	43.9
3/0	1/2	303	59	77.6	256	61	55.6	226	62	43.3
3/0	Full	326	58	75.3	276	60	54.3	245	61	42.5
4/0	1/2	344	59	75.2	291	61	53.5	256	62	41.7
4/0	Full	371	58	73.1	314	60	52.6	278	61	41.2

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	127	58	73.4	107	60	52.1	94	61	40.5
4	Full	136	56	70.6	115	59	50.7	102	60	39.8
3	1/2	144	58	71.9	121	60	51.1	107	61	39.6
3	Full	155	57	69.6	131	59	49.8	115	61	38.6
2	1/2	163	58	70.4	137	60	49.6	121	61	38.5
2	Full	176	57	68.2	148	60	48.6	131	61	37.6
1	1/2	186	59	68.4	156	61	48.0	137	62	37.2
1	Full	200	58	66.6	168	60	47.1	148	61	36.6
1/0	1/2	211	59	66.5	176	61	46.8	155	62	36.0
1/0	Full	227	58	64.8	191	60	45.7	168	61	35.4
2/0	1/2	239	60	64.7	200	61	45.2	175	62	34.7
2/0	Full	258	59	63.1	216	61	44.4	190	62	34.1
3/0	1/2	271	60	62.5	226	62	43.5	198	62	33.3
3/0	Full	293	59	60.9	245	61	42.8	215	62	33.0
4/0	1/2	308	60	60.3	256	62	41.7	224	63	32.1
4/0	Full	333	60	58.8	278	61	41.2	244	62	31.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	113	44	55.2	97	46	40.5	86	47	31.9
4	Full	121	44	52.8	104	45	39.1	93	46	31.2
3	1/2	129	45	54.4	110	46	39.6	97	47	31.3
3	Full	138	44	52.4	118	46	38.6	105	46	30.7
2	1/2	146	45	53.7	124	46	38.9	110	47	30.6
2	Full	157	44	51.5	134	46	37.9	119	47	30.0
1	1/2	167	45	52.5	142	47	37.8	125	47	29.7
1	Full	179	45	50.4	153	46	36.9	136	47	29.1
1/0	1/2	190	46	51.1	161	47	36.8	142	48	28.8
1/0	Full	204	45	49.4	173	46	36.0	154	47	28.3
2/0	1/2	216	46	49.8	183	47	35.7	161	48	27.9
2/0	Full	232	45	48.5	197	47	34.9	175	47	27.6
3/0	1/2	245	46	48.6	207	47	34.6	183	48	27.1
3/0	Full	264	45	47.1	224	47	34.1	198	47	26.6
4/0	1/2	279	46	47.0	236	47	33.5	208	48	26.0
4/0	Full	301	46	45.8	255	47	32.8	225	48	25.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	103	45	45.9	87	47	32.6	76	47	25.4
4	Full	110	45	44.2	94	46	31.9	83	47	24.7
3	1/2	117	46	44.8	98	47	32.0	86	48	24.7
3	Full	125	45	43.5	106	46	31.0	94	47	24.1
2	1/2	133	46	43.9	111	47	31.0	98	48	24.0
2	Full	143	45	42.6	120	47	30.3	106	47	23.7
1	1/2	151	46	42.9	126	47	30.0	111	48	23.1
1	Full	162	46	41.7	136	47	29.4	120	48	22.8
1/0	1/2	171	46	41.7	143	48	29.1	125	48	22.6
1/0	Full	184	46	40.5	155	47	28.6	136	48	22.0
2/0	1/2	194	47	40.3	162	48	28.2	142	48	21.7
2/0	Full	209	46	39.3	175	47	27.6	154	48	21.4
3/0	1/2	220	47	38.9	184	48	27.1	161	48	20.7
3/0	Full	238	46	38.2	199	47	26.6	174	48	20.5
4/0	1/2	250	47	37.6	208	48	26.0	182	48	20.0
4/0	Full	270	47	36.7	225	48	25.8	197	48	19.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	137	34	14.6	134	37	13.8	130	40	13.0
4	Full	148	34	14.2	144	37	13.3	140	40	12.7
3	1/2	157	34	15.1	152	38	14.2	148	41	13.5
3	Full	169	34	14.6	164	37	13.8	160	40	13.0
2	1/2	179	34	15.6	174	38	14.6	169	41	13.8
2	Full	193	34	15.1	187	38	14.3	182	41	13.5
1	1/2	205	35	16.2	199	38	15.3	193	42	14.3
1	Full	221	35	15.8	215	38	14.8	208	41	14.0
1/0	1/2	234	35	16.7	227	39	15.8	220	42	14.8
1/0	Full	253	35	16.4	245	39	15.4	238	42	14.5
2/0	1/2	268	36	17.4	260	39	16.2	251	43	15.3
2/0	Full	290	35	17.0	280	39	15.9	272	42	15.0
3/0	1/2	307	36	18.2	297	40	16.9	287	43	15.9
3/0	Full	332	36	17.7	321	40	16.6	311	43	15.6
4/0	1/2	352	36	19.0	340	41	17.5	328	44	16.4
4/0	Full	381	36	18.5	367	40	17.2	355	44	16.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	135	36	14.0	130	41	13.0	125	44	12.1
4	Full	145	36	13.7	140	40	12.7	135	44	11.7
3	1/2	154	37	14.5	148	41	13.3	142	45	12.4
3	Full	166	36	14.0	159	41	13.0	154	44	12.1
2	1/2	175	37	15.0	168	42	13.7	162	45	12.7
2	Full	189	37	14.5	182	41	13.3	175	45	12.4
1	1/2	200	37	15.4	192	42	14.2	185	46	13.2
1	Full	216	37	15.1	208	42	13.8	200	46	12.9
1/0	1/2	229	38	16.1	219	43	14.6	211	47	13.5
1/0	Full	247	38	15.6	237	42	14.3	228	46	13.2
2/0	1/2	262	38	16.6	250	43	15.1	240	47	14.0
2/0	Full	283	38	16.2	271	43	14.8	260	47	13.7
3/0	1/2	300	39	17.2	286	44	15.8	274	48	14.5
3/0	Full	324	39	16.9	309	44	15.4	297	48	14.2
4/0	1/2	343	39	18.0	327	45	16.2	312	49	15.0
4/0	Full	371	39	17.5	354	44	15.9	338	48	14.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	127	32	12.1	124	35	11.4	121	38	10.9
4	Full	137	32	11.7	134	35	11.1	130	37	10.6
3	1/2	145	33	12.5	141	36	11.9	137	38	11.3
3	Full	157	32	12.2	152	35	11.6	148	38	10.9
2	1/2	166	33	12.9	161	36	12.2	157	38	11.6
2	Full	179	33	12.5	174	36	11.9	169	38	11.3
1	1/2	190	33	13.5	184	36	12.7	179	39	11.9
1	Full	205	33	13.0	199	36	12.4	193	39	11.6
1/0	1/2	217	33	14.0	210	37	13.0	204	39	12.4
1/0	Full	234	33	13.7	227	36	12.7	220	39	12.1
2/0	1/2	248	34	14.5	240	37	13.5	233	40	12.7
2/0	Full	268	34	14.2	260	37	13.2	252	40	12.5
3/0	1/2	284	34	15.1	275	37	14.0	266	40	13.2
3/0	Full	307	34	14.8	297	37	13.8	288	40	12.9
4/0	1/2	326	35	15.8	314	38	14.6	304	41	13.7
4/0	Full	352	34	15.4	340	38	14.3	329	41	13.3

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	125	34	11.7	120	38	10.8	116	41	10.1
4	Full	135	34	11.4	130	38	10.5	125	41	9.8
3	1/2	142	35	12.1	137	38	11.1	132	42	10.3
3	Full	154	34	11.7	148	38	10.8	143	41	10.1
2	1/2	162	35	12.4	156	39	11.4	150	42	10.6
2	Full	175	35	12.1	168	38	11.1	162	42	10.5
1	1/2	186	35	12.9	178	39	11.9	171	43	10.9
1	Full	201	35	12.5	192	39	11.6	185	42	10.8
1/0	1/2	212	36	13.3	203	40	12.2	195	43	11.3
1/0	Full	229	35	13.0	220	39	11.9	211	43	11.1
2/0	1/2	243	36	13.8	232	40	12.7	222	44	11.6
2/0	Full	262	36	13.5	251	40	12.4	241	43	11.4
3/0	1/2	278	37	14.3	265	41	13.0	254	44	11.9
3/0	Full	300	36	14.0	287	40	12.9	275	44	11.7
4/0	1/2	317	37	15.0	303	41	13.5	289	45	12.4
4/0	Full	343	37	14.6	328	41	13.3	314	45	12.2

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	122	32	10.9	119	34	10.3	116	36	9.8
4	Full	131	31	10.6	128	34	10.1	125	36	9.5
3	1/2	139	32	11.3	135	34	10.6	132	37	10.1
3	Full	150	32	10.9	146	34	10.3	142	36	9.8
2	1/2	159	32	11.7	154	35	10.9	150	37	10.5
2	Full	171	32	11.4	166	35	10.8	162	37	10.1
1	1/2	182	32	12.1	176	35	11.4	171	38	10.8
1	Full	196	32	11.7	190	35	11.1	185	37	10.5
1/0	1/2	208	33	12.5	201	35	11.7	195	38	11.1
1/0	Full	224	32	12.2	217	35	11.6	211	38	10.9
2/0	1/2	238	33	13.0	230	36	12.2	223	38	11.4
2/0	Full	257	33	12.7	248	36	11.9	241	38	11.3
3/0	1/2	272	33	13.5	263	36	12.7	254	39	11.9
3/0	Full	294	33	13.3	284	36	12.4	275	39	11.6
4/0	1/2	312	34	14.2	301	37	13.2	291	39	12.4
4/0	Full	337	33	13.8	325	36	12.9	315	39	12.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	120	33	10.5	115	37	9.8	111	40	9.2
4	Full	129	33	10.3	124	36	9.5	120	39	8.8
3	1/2	136	34	10.8	131	37	10.0	126	40	9.3
3	Full	147	34	10.6	141	37	9.8	137	40	9.2
2	1/2	155	34	11.3	149	37	10.3	144	40	9.6
2	Full	168	34	10.9	161	37	10.1	155	40	9.3
1	1/2	178	34	11.6	170	38	10.6	164	41	9.8
1	Full	192	34	11.3	184	38	10.5	177	41	9.6
1/0	1/2	203	35	12.1	194	38	10.9	187	41	10.1
1/0	Full	219	34	11.7	210	38	10.8	202	41	10.0
2/0	1/2	232	35	12.4	222	39	11.4	213	42	10.5
2/0	Full	251	35	12.2	240	38	11.1	230	42	10.3
3/0	1/2	265	35	12.9	253	39	11.7	243	42	10.8
3/0	Full	287	35	12.7	274	39	11.6	263	42	10.6
4/0	1/2	304	36	13.3	290	40	12.2	277	43	11.1
4/0	Full	329	36	13.2	314	39	12.1	300	43	10.9

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	110	30	8.7	107	32	8.2	104	34	7.7
4	Full	118	30	8.4	115	32	7.9	112	34	7.6
3	1/2	125	30	8.8	122	32	8.4	119	34	7.9
3	Full	135	30	8.7	131	32	8.2	128	34	7.7
2	1/2	143	31	9.2	139	33	8.7	135	35	8.2
2	Full	154	30	8.8	150	33	8.4	146	34	8.0
1	1/2	164	31	9.5	159	33	9.0	154	35	8.5
1	Full	177	31	9.3	171	33	8.7	167	35	8.2
1/0	1/2	187	31	9.8	181	33	9.3	176	35	8.7
1/0	Full	202	31	9.6	196	33	9.0	190	35	8.5
2/0	1/2	214	31	10.3	207	34	9.6	201	36	9.0
2/0	Full	231	31	10.0	224	33	9.3	217	35	8.8
3/0	1/2	245	31	10.6	237	34	10.0	229	36	9.3
3/0	Full	265	31	10.5	256	34	9.8	248	36	9.2
4/0	1/2	280	32	11.1	271	34	10.3	262	36	9.6
4/0	Full	303	32	10.8	293	34	10.1	284	36	9.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	108	32	8.2	104	34	7.7	100	37	7.1
4	Full	116	32	8.0	112	34	7.6	108	36	6.9
3	1/2	123	32	8.5	118	35	7.9	114	37	7.4
3	Full	132	32	8.4	128	34	7.7	123	37	7.2
2	1/2	140	32	8.8	135	35	8.0	130	37	7.6
2	Full	151	32	8.5	145	35	7.9	140	37	7.4
1	1/2	160	32	9.2	154	35	8.4	148	37	7.7
1	Full	173	32	8.8	166	35	8.2	160	37	7.6
1/0	1/2	183	33	9.5	175	35	8.7	168	38	8.0
1/0	Full	198	32	9.2	190	35	8.5	182	38	7.9
2/0	1/2	209	33	9.8	200	36	9.0	192	38	8.2
2/0	Full	226	33	9.5	216	36	8.7	208	38	8.0
3/0	1/2	239	33	10.1	228	36	9.2	219	39	8.5
3/0	Full	258	33	10.0	247	36	9.0	237	38	8.4
4/0	1/2	273	34	10.5	261	37	9.5	249	39	8.8
4/0	Full	296	33	10.3	282	36	9.3	270	39	8.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	88	28	5.3	86	29	5.0	83	31	4.7
4	Full	95	28	5.1	92	29	4.8	90	30	4.7
3	1/2	100	28	5.5	97	30	5.1	95	31	4.8
3	Full	108	28	5.3	105	29	5.0	102	31	4.7
2	1/2	114	28	5.6	111	30	5.3	108	31	5.0
2	Full	123	28	5.5	120	30	5.1	117	31	4.8
1	1/2	131	29	5.8	127	30	5.5	123	31	5.1
1	Full	141	28	5.6	137	30	5.3	133	31	5.0
1/0	1/2	149	29	6.0	145	30	5.6	141	31	5.3
1/0	Full	162	29	5.8	157	30	5.5	152	31	5.1
2/0	1/2	171	29	6.3	165	30	5.8	160	31	5.5
2/0	Full	185	29	6.1	179	30	5.6	174	31	5.3
3/0	1/2	196	29	6.4	189	30	6.0	183	32	5.6
3/0	Full	212	29	6.3	204	30	6.0	198	32	5.6
4/0	1/2	224	29	6.8	216	31	6.3	209	32	5.8
4/0	Full	242	29	6.6	234	31	6.1	227	32	5.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	86	29	5.0	83	31	4.7	80	32	4.3
4	Full	93	29	4.8	90	31	4.5	87	32	4.2
3	1/2	98	29	5.1	95	31	4.8	91	32	4.5
3	Full	106	29	5.0	102	31	4.7	99	32	4.3
2	1/2	112	29	5.3	108	31	5.0	104	32	4.5
2	Full	121	29	5.1	116	31	4.8	112	32	4.5
1	1/2	128	29	5.5	123	31	5.1	118	33	4.7
1	Full	138	29	5.5	133	31	5.0	128	32	4.7
1/0	1/2	146	30	5.8	140	31	5.3	135	33	4.8
1/0	Full	158	30	5.6	152	31	5.1	146	33	4.8
2/0	1/2	167	30	6.0	160	32	5.5	153	33	5.0
2/0	Full	181	30	5.8	173	31	5.3	166	33	5.0
3/0	1/2	191	30	6.1	182	32	5.6	175	33	5.1
3/0	Full	206	30	6.0	198	32	5.5	190	33	5.1
4/0	1/2	218	30	6.4	208	32	5.8	199	34	5.3
4/0	Full	236	30	6.3	226	32	5.6	216	33	5.3

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	131	39	18.9	126	44	17.2	121	48	15.8
4	Full	142	39	18.3	135	44	16.7	130	48	15.5
3	1/2	150	40	19.4	143	45	17.6	137	49	16.3
3	Full	161	39	18.9	154	44	17.3	148	48	15.9
2	1/2	171	40	20.0	163	45	18.2	156	49	16.6
2	Full	184	40	19.4	176	45	17.7	168	49	16.3
1	1/2	195	41	20.7	185	46	18.8	177	50	17.1
1	Full	211	40	20.2	200	45	18.3	192	49	16.8
1/0	1/2	222	41	21.4	211	46	19.3	202	51	17.6
1/0	Full	240	41	20.9	229	46	18.9	218	50	17.3
2/0	1/2	254	42	22.1	241	47	19.9	230	51	18.1
2/0	Full	275	41	21.6	261	47	19.6	249	51	17.7
3/0	1/2	290	42	22.9	275	48	20.6	262	52	18.7
3/0	Full	314	42	22.4	298	47	20.1	283	52	18.3
4/0	1/2	332	43	23.8	314	49	21.3	298	53	19.2
4/0	Full	359	43	23.3	340	48	20.8	323	52	18.9

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	127	43	17.5	119	49	15.5	113	54	13.9
4	Full	137	43	17.1	129	49	15.1	122	53	13.5
3	1/2	144	44	18.0	135	50	15.8	128	54	14.1
3	Full	156	43	17.5	146	49	15.5	138	54	13.9
2	1/2	164	44	18.4	154	50	16.3	145	55	14.4
2	Full	177	44	18.1	166	50	15.9	157	54	14.2
1	1/2	187	45	19.1	175	51	16.7	165	56	14.8
1	Full	202	44	18.7	189	50	16.4	179	55	14.6
1/0	1/2	213	45	19.7	199	52	17.2	187	56	15.1
1/0	Full	231	45	19.2	216	51	16.8	203	56	14.9
2/0	1/2	243	46	20.4	227	52	17.6	213	57	15.5
2/0	Full	263	46	19.9	246	52	17.3	231	57	15.2
3/0	1/2	278	47	20.9	258	53	18.1	242	58	15.9
3/0	Full	301	46	20.6	280	53	17.9	262	57	15.7
4/0	1/2	317	48	21.7	294	54	18.7	275	59	16.3
4/0	Full	343	47	21.3	318	54	18.3	298	58	16.0

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	122	37	15.7	116	41	14.3	112	44	13.2
4	Full	131	37	15.2	126	41	14.0	121	44	12.9
3	1/2	139	37	16.2	132	41	14.7	127	45	13.5
3	Full	150	37	15.7	143	41	14.3	137	44	13.2
2	1/2	158	38	16.6	151	42	15.1	144	45	13.9
2	Full	171	37	16.2	163	41	14.8	156	45	13.5
1	1/2	180	38	17.2	172	42	15.6	164	46	14.2
1	Full	195	38	16.8	186	42	15.2	178	45	14.0
1/0	1/2	206	38	17.7	196	43	16.0	187	46	14.7
1/0	Full	223	38	17.4	212	42	15.7	203	46	14.3
2/0	1/2	235	39	18.4	223	43	16.6	213	47	15.0
2/0	Full	254	39	18.0	242	43	16.3	231	47	14.8
3/0	1/2	269	39	19.0	254	44	17.1	242	48	15.5
3/0	Full	291	39	18.7	276	44	16.7	263	47	15.2
4/0	1/2	307	40	19.8	290	45	17.6	276	48	15.9
4/0	Full	333	40	19.3	315	44	17.4	300	48	15.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	117	40	14.6	110	45	12.9	105	49	11.6
4	Full	127	40	14.2	119	45	12.6	113	49	11.4
3	1/2	134	41	15.0	125	46	13.2	119	50	11.8
3	Full	144	40	14.6	136	45	13.0	128	49	11.6
2	1/2	152	41	15.4	143	46	13.5	134	50	12.1
2	Full	164	41	15.0	154	46	13.3	146	50	11.8
1	1/2	173	42	15.9	162	47	13.9	153	51	12.4
1	Full	188	41	15.6	176	46	13.6	166	50	12.2
1/0	1/2	198	42	16.4	185	47	14.2	174	51	12.6
1/0	Full	214	42	16.0	200	47	14.0	188	51	12.4
2/0	1/2	226	43	16.9	210	48	14.7	197	52	13.0
2/0	Full	244	42	16.6	228	47	14.4	214	51	12.7
3/0	1/2	257	43	17.4	239	49	15.1	224	53	13.3
3/0	Full	279	43	17.2	259	48	14.9	243	52	13.1
4/0	1/2	293	44	18.0	272	49	15.5	255	53	13.5
4/0	Full	318	43	17.7	295	49	15.2	277	53	13.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	117	36	14.1	111	39	13.0	107	42	11.9
4	Full	126	35	13.8	120	39	12.6	116	42	11.6
3	1/2	133	36	14.6	127	40	13.3	122	43	12.2
3	Full	143	36	14.2	137	39	13.0	131	42	11.9
2	1/2	151	36	15.0	144	40	13.6	138	43	12.5
2	Full	163	36	14.6	156	40	13.3	149	43	12.3
1	1/2	173	37	15.5	165	41	14.1	157	44	12.9
1	Full	187	36	15.1	178	40	13.8	170	43	12.6
1/0	1/2	197	37	16.0	187	41	14.4	179	44	13.2
1/0	Full	213	37	15.7	203	41	14.2	194	44	13.0
2/0	1/2	225	38	16.6	214	42	14.9	204	45	13.5
2/0	Full	244	37	16.3	231	41	14.7	221	44	13.3
3/0	1/2	257	38	17.2	244	42	15.4	232	45	14.0
3/0	Full	278	38	16.8	264	42	15.1	252	45	13.8
4/0	1/2	294	38	17.7	278	43	15.9	264	46	14.4
4/0	Full	318	38	17.5	301	42	15.7	287	46	14.2

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----	60 Rho----	----	90 Rho----	----	120 Rho----
	Interface		Interface		Interface
	Temp Flux		Temp Flux		Temp Flux
	Amps °C w/ft ²		Amps °C w/ft ²		Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	112	39	13.2	106	43	11.6	100	47	10.5
4	Full	121	38	12.9	114	43	11.4	108	46	10.2
3	1/2	128	39	13.5	120	44	11.9	114	47	10.7
3	Full	138	39	13.2	130	43	11.7	123	47	10.5
2	1/2	146	39	13.9	136	44	12.2	129	48	10.9
2	Full	157	39	13.5	148	44	11.9	140	47	10.7
1	1/2	166	40	14.3	155	45	12.5	146	48	11.1
1	Full	180	40	14.0	168	44	12.3	159	48	10.9
1/0	1/2	189	40	14.8	177	45	12.9	166	49	11.4
1/0	Full	205	40	14.4	191	45	12.6	180	48	11.3
2/0	1/2	216	41	15.2	201	46	13.2	189	49	11.7
2/0	Full	234	41	14.9	218	45	13.0	205	49	11.5
3/0	1/2	246	41	15.7	229	46	13.6	215	50	11.9
3/0	Full	266	41	15.5	248	46	13.4	233	50	11.8
4/0	1/2	281	42	16.3	261	47	14.0	244	50	12.3
4/0	Full	304	42	15.9	283	46	13.8	265	50	12.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	105	33	11.1	100	36	10.1	97	39	9.4
4	Full	113	33	10.8	109	36	9.9	104	38	9.2
3	1/2	120	34	11.5	114	37	10.5	110	39	9.6
3	Full	129	33	11.1	123	36	10.2	119	39	9.4
2	1/2	136	34	11.8	130	37	10.7	125	39	9.9
2	Full	147	34	11.5	141	37	10.5	135	39	9.7
1	1/2	156	34	12.2	148	37	11.0	142	40	10.1
1	Full	168	34	11.9	160	37	10.8	154	39	9.9
1/0	1/2	178	35	12.6	169	38	11.4	161	40	10.4
1/0	Full	192	34	12.3	183	37	11.1	175	40	10.2
2/0	1/2	203	35	13.0	193	38	11.7	184	41	10.7
2/0	Full	219	35	12.7	209	38	11.5	199	40	10.5
3/0	1/2	232	35	13.4	219	38	12.1	209	41	11.0
3/0	Full	251	35	13.2	238	38	11.9	227	41	10.8
4/0	1/2	265	36	14.0	250	39	12.5	238	41	11.3
4/0	Full	287	35	13.8	271	39	12.3	258	41	11.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	101	36	10.4	95	39	9.2	90	42	8.2
4	Full	109	36	10.1	103	39	9.0	98	42	8.1
3	1/2	115	36	10.6	108	40	9.4	102	42	8.4
3	Full	125	36	10.4	117	39	9.2	111	42	8.2
2	1/2	131	36	10.9	123	40	9.7	116	43	8.5
2	Full	142	36	10.7	133	40	9.4	126	43	8.4
1	1/2	150	37	11.3	140	40	9.9	132	43	8.8
1	Full	162	36	11.0	152	40	9.7	143	43	8.6
1/0	1/2	170	37	11.6	159	41	10.1	150	44	9.0
1/0	Full	185	37	11.4	173	41	10.0	163	43	8.9
2/0	1/2	194	37	11.9	181	41	10.4	171	44	9.2
2/0	Full	211	37	11.7	197	41	10.2	185	44	9.1
3/0	1/2	222	38	12.4	206	42	10.7	194	45	9.4
3/0	Full	240	38	12.2	224	41	10.6	210	44	9.3
4/0	1/2	253	38	12.7	235	42	11.0	220	45	9.7
4/0	Full	274	38	12.5	255	42	10.8	239	45	9.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	84	30	6.7	81	32	6.3	77	33	5.7
4	Full	91	30	6.6	87	32	6.0	84	33	5.6
3	1/2	96	30	6.9	91	32	6.4	88	34	5.8
3	Full	103	30	6.8	99	32	6.3	95	33	5.7
2	1/2	109	30	7.2	104	32	6.5	100	34	6.0
2	Full	118	30	7.1	113	32	6.4	108	34	5.9
1	1/2	124	31	7.4	119	33	6.7	114	34	6.1
1	Full	135	31	7.3	128	32	6.6	123	34	6.0
1/0	1/2	142	31	7.6	135	33	6.9	129	34	6.4
1/0	Full	154	31	7.5	146	33	6.8	140	34	6.3
2/0	1/2	162	31	7.8	154	33	7.2	147	35	6.5
2/0	Full	175	31	7.7	167	33	7.1	160	34	6.4
3/0	1/2	185	31	8.2	175	33	7.4	167	35	6.7
3/0	Full	200	31	8.1	190	33	7.3	181	35	6.6
4/0	1/2	211	31	8.4	200	33	7.6	191	35	6.8
4/0	Full	229	31	8.3	217	33	7.5	207	35	6.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	81	32	6.3	76	34	5.6	72	35	5.0
4	Full	88	31	6.1	83	34	5.5	78	35	4.9
3	1/2	92	32	6.5	87	34	5.7	82	36	5.1
3	Full	100	32	6.4	94	34	5.6	89	36	5.0
2	1/2	105	32	6.6	99	34	5.8	93	36	5.2
2	Full	114	32	6.5	107	34	5.8	101	36	5.1
1	1/2	120	32	6.8	112	34	6.0	106	36	5.3
1	Full	130	32	6.7	122	34	5.9	115	36	5.2
1/0	1/2	136	32	7.1	128	35	6.1	120	36	5.5
1/0	Full	148	32	6.9	138	35	6.0	131	36	5.5
2/0	1/2	155	33	7.3	145	35	6.4	137	37	5.6
2/0	Full	168	32	7.2	157	35	6.3	148	37	5.6
3/0	1/2	177	33	7.5	165	35	6.5	155	37	5.8
3/0	Full	192	33	7.4	179	35	6.4	168	37	5.7
4/0	1/2	202	33	7.7	188	35	6.7	176	37	5.9
4/0	Full	219	33	7.6	204	35	6.6	191	37	5.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	126	44	23.1	119	49	20.6	113	54	18.4
4	Full	136	43	22.5	128	49	20.1	122	53	18.1
3	1/2	143	44	23.7	135	50	21.0	128	54	18.8
3	Full	155	44	23.2	146	49	20.6	138	54	18.5
2	1/2	163	45	24.4	153	51	21.5	145	55	19.3
2	Full	176	44	23.8	166	50	21.1	157	54	19.0
1	1/2	186	45	25.1	174	51	22.1	165	56	19.8
1	Full	201	45	24.6	189	51	21.7	179	55	19.5
1/0	1/2	212	46	25.9	198	52	22.7	187	56	20.2
1/0	Full	229	46	25.4	215	52	22.3	203	56	19.9
2/0	1/2	242	47	26.8	226	53	23.3	212	57	20.7
2/0	Full	262	46	26.2	245	52	22.9	231	57	20.4
3/0	1/2	276	47	27.7	257	54	24.0	241	58	21.2
3/0	Full	299	47	27.2	278	53	23.6	262	58	20.9
4/0	1/2	315	48	28.6	292	54	24.6	274	59	21.7
4/0	Full	341	48	28.1	317	54	24.3	298	58	21.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	120	49	20.9	111	55	17.8	103	60	15.5
4	Full	129	48	20.5	120	55	17.4	112	59	15.2
3	1/2	136	49	21.4	125	56	18.1	117	61	15.8
3	Full	147	49	20.9	136	55	17.8	127	60	15.5
2	1/2	155	50	21.9	142	56	18.5	132	61	16.0
2	Full	167	49	21.5	154	56	18.2	143	61	15.8
1	1/2	176	50	22.6	161	57	19.0	150	62	16.4
1	Full	191	50	22.1	175	57	18.6	163	61	16.1
1/0	1/2	200	51	23.2	183	58	19.5	170	63	16.7
1/0	Full	217	51	22.7	199	57	19.2	185	62	16.5
2/0	1/2	228	52	23.8	208	59	19.9	193	63	17.0
2/0	Full	247	51	23.4	226	58	19.6	209	63	16.8
3/0	1/2	260	53	24.5	236	59	20.4	218	64	17.3
3/0	Full	281	52	24.1	257	59	20.1	237	64	17.1
4/0	1/2	296	53	25.2	269	60	20.8	248	65	17.7
4/0	Full	321	53	24.8	292	60	20.6	269	65	17.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	117	41	19.3	110	45	17.1	104	49	15.4
4	Full	126	40	18.7	119	45	16.7	113	49	15.1
3	1/2	133	41	19.8	125	46	17.5	118	50	15.7
3	Full	143	41	19.3	135	45	17.1	128	49	15.4
2	1/2	151	42	20.3	142	46	17.9	134	50	16.1
2	Full	163	41	19.9	154	46	17.6	146	50	15.8
1	1/2	172	42	21.0	162	47	18.4	153	51	16.5
1	Full	186	42	20.6	175	47	18.1	166	50	16.2
1/0	1/2	196	43	21.6	184	48	19.0	173	51	16.8
1/0	Full	213	42	21.2	199	47	18.5	188	51	16.6
2/0	1/2	224	43	22.3	209	48	19.5	197	52	17.2
2/0	Full	243	43	21.9	227	48	19.2	214	52	17.0
3/0	1/2	255	44	23.0	238	49	20.0	224	53	17.6
3/0	Full	277	43	22.6	258	48	19.7	243	52	17.4
4/0	1/2	291	44	23.7	271	49	20.6	255	53	18.1
4/0	Full	316	44	23.3	294	49	20.3	276	53	17.9

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	111	45	17.4	103	50	14.9	96	54	13.0
4	Full	120	44	17.0	111	50	14.6	104	54	12.8
3	1/2	126	45	17.8	116	51	15.2	108	55	13.2
3	Full	136	45	17.4	126	50	14.9	118	54	13.0
2	1/2	143	46	18.2	132	51	15.5	123	55	13.4
2	Full	155	45	17.9	143	51	15.2	133	55	13.2
1	1/2	163	46	18.8	150	52	15.8	139	56	13.7
1	Full	177	46	18.4	163	51	15.6	151	56	13.5
1/0	1/2	186	47	19.4	170	52	16.2	158	57	14.0
1/0	Full	201	46	19.0	185	52	16.0	171	56	13.8
2/0	1/2	211	47	19.9	193	53	16.6	179	57	14.2
2/0	Full	229	47	19.6	210	53	16.3	194	57	14.1
3/0	1/2	241	48	20.4	219	54	16.9	203	58	14.5
3/0	Full	261	48	20.1	238	53	16.7	221	57	14.4
4/0	1/2	274	49	21.0	249	54	17.4	230	58	14.8
4/0	Full	297	48	20.7	271	54	17.1	250	58	14.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	112	39	17.3	105	43	15.4	100	47	13.9
4	Full	121	39	16.9	114	43	15.1	108	46	13.7
3	1/2	127	40	17.8	120	44	15.8	113	47	14.2
3	Full	137	39	17.4	129	43	15.5	123	47	14.0
2	1/2	145	40	18.3	136	44	16.2	129	48	14.5
2	Full	156	40	17.9	147	44	15.9	139	47	14.3
1	1/2	165	40	19.0	155	45	16.6	146	48	14.9
1	Full	178	40	18.5	168	44	16.3	159	48	14.6
1/0	1/2	188	41	19.5	176	45	17.1	166	49	15.2
1/0	Full	203	41	19.1	191	45	16.8	180	48	15.0
2/0	1/2	214	41	20.1	200	46	17.5	189	49	15.6
2/0	Full	232	41	19.7	217	46	17.2	205	49	15.4
3/0	1/2	244	42	20.7	228	46	18.0	214	50	15.9
3/0	Full	265	42	20.4	247	46	17.7	233	50	15.7
4/0	1/2	279	42	21.4	259	47	18.5	244	51	16.3
4/0	Full	302	42	21.1	281	47	18.2	265	50	16.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	106	43	15.7	98	48	13.5	92	51	11.7
4	Full	115	42	15.4	106	47	13.2	99	51	11.6
3	1/2	121	43	16.1	111	48	13.7	104	52	12.0
3	Full	131	43	15.7	121	48	13.5	113	51	11.8
2	1/2	137	44	16.5	126	49	14.0	118	52	12.2
2	Full	149	43	16.1	137	48	13.8	128	52	12.0
1	1/2	156	44	16.9	144	49	14.3	133	53	12.4
1	Full	169	44	16.6	156	49	14.1	145	53	12.2
1/0	1/2	178	45	17.4	163	50	14.6	151	53	12.6
1/0	Full	193	44	17.1	177	49	14.4	164	53	12.5
2/0	1/2	202	45	17.9	185	50	15.0	172	54	12.9
2/0	Full	219	45	17.6	201	50	14.8	186	54	12.7
3/0	1/2	230	46	18.4	210	51	15.3	194	55	13.1
3/0	Full	250	45	18.1	228	51	15.1	211	54	13.0
4/0	1/2	262	46	19.0	239	52	15.7	220	55	13.4
4/0	Full	284	46	18.6	259	51	15.5	239	55	13.3

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	101	36	13.7	95	40	12.2	90	42	10.9
4	Full	109	36	13.4	103	39	12.0	98	42	10.7
3	1/2	115	36	14.0	108	40	12.5	102	42	11.1
3	Full	124	36	13.7	117	40	12.2	111	42	11.0
2	1/2	130	37	14.4	123	40	12.8	116	43	11.5
2	Full	141	36	14.1	133	40	12.5	126	43	11.2
1	1/2	149	37	14.9	140	41	13.1	132	43	11.8
1	Full	161	37	14.6	151	40	12.9	143	43	11.6
1/0	1/2	169	37	15.3	159	41	13.5	150	44	12.0
1/0	Full	183	37	15.0	172	41	13.2	163	43	11.9
2/0	1/2	193	38	15.8	181	41	13.8	170	44	12.3
2/0	Full	209	38	15.5	196	41	13.6	185	44	12.2
3/0	1/2	220	38	16.3	205	42	14.2	194	45	12.6
3/0	Full	239	38	16.0	223	42	14.0	210	44	12.4
4/0	1/2	251	39	16.8	234	42	14.6	220	45	12.9
4/0	Full	272	38	16.5	254	42	14.4	239	45	12.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	96	39	12.4	89	43	10.6	83	46	9.2
4	Full	104	39	12.2	96	43	10.4	90	46	9.1
3	1/2	109	39	12.7	101	43	10.8	94	46	9.4
3	Full	118	39	12.5	109	43	10.6	102	46	9.2
2	1/2	124	40	13.0	114	44	11.0	106	47	9.6
2	Full	134	39	12.8	124	43	10.8	115	46	9.4
1	1/2	141	40	13.4	130	44	11.2	120	47	9.7
1	Full	153	40	13.1	141	44	11.1	131	47	9.6
1/0	1/2	160	41	13.7	147	45	11.6	137	47	9.9
1/0	Full	174	40	13.5	160	44	11.4	148	47	9.8
2/0	1/2	182	41	14.1	167	45	11.9	155	48	10.1
2/0	Full	198	41	13.9	181	45	11.7	168	48	10.0
3/0	1/2	208	41	14.5	190	45	12.1	176	48	10.3
3/0	Full	225	41	14.3	206	45	12.0	191	48	10.2
4/0	1/2	236	42	14.9	216	46	12.4	199	49	10.5
4/0	Full	257	42	14.7	234	46	12.3	216	49	10.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	81	32	8.3	76	34	7.4	72	35	6.7
4	Full	87	32	8.1	82	34	7.3	78	35	6.6
3	1/2	92	32	8.5	86	34	7.6	82	36	6.8
3	Full	99	32	8.3	94	34	7.4	89	36	6.7
2	1/2	104	32	8.7	98	34	7.8	93	36	7.0
2	Full	113	32	8.6	106	34	7.6	101	36	6.9
1	1/2	119	32	9.0	112	35	8.0	106	36	7.2
1	Full	129	32	8.8	121	34	7.8	115	36	7.1
1/0	1/2	135	33	9.3	127	35	8.2	120	36	7.3
1/0	Full	147	32	9.1	138	35	8.0	130	36	7.2
2/0	1/2	154	33	9.6	145	35	8.4	136	37	7.5
2/0	Full	167	33	9.4	157	35	8.3	148	37	7.4
3/0	1/2	176	33	9.8	164	35	8.6	155	37	7.7
3/0	Full	191	33	9.7	178	35	8.5	168	37	7.6
4/0	1/2	201	33	10.2	187	36	8.9	176	37	7.9
4/0	Full	218	33	10.0	203	35	8.7	191	37	7.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	77	34	7.6	71	36	6.5	66	38	5.7
4	Full	83	33	7.4	77	36	6.4	72	38	5.6
3	1/2	87	34	7.7	81	36	6.6	75	38	5.8
3	Full	94	34	7.6	87	36	6.5	82	38	5.7
2	1/2	99	34	7.9	92	36	6.8	85	38	5.9
2	Full	107	34	7.8	99	36	6.6	93	38	5.8
1	1/2	113	34	8.1	104	37	6.9	97	39	6.0
1	Full	122	34	8.0	113	37	6.8	105	38	5.9
1/0	1/2	128	34	8.3	118	37	7.0	110	39	6.1
1/0	Full	139	34	8.2	128	37	7.0	119	39	6.0
2/0	1/2	146	35	8.6	134	37	7.2	124	39	6.2
2/0	Full	158	35	8.4	145	37	7.1	135	39	6.2
3/0	1/2	166	35	8.8	152	38	7.4	141	39	6.4
3/0	Full	180	35	8.7	165	37	7.3	153	39	6.3
4/0	1/2	189	35	9.0	173	38	7.5	160	40	6.5
4/0	Full	205	35	8.9	187	38	7.5	174	40	6.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Copper Conductor - Concentric Strand

4	1/2	112	116	83	95
4	Full	121	125	89	102
3	1/2	127	132	94	108
3	Full	138	142	102	117
2	1/2	145	150	107	123
2	Full	157	163	116	133
1	1/2	166	172	123	141
1	Full	179	186	133	152
1/0	1/2	189	197	140	161
1/0	Full	205	213	152	174
2/0	1/2	216	225	160	184
2/0	Full	234	243	173	199
3/0	1/2	247	257	183	210
3/0	Full	268	279	198	228
4/0	1/2	282	294	209	241
4/0	Full	306	319	227	261

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Copper Conductor - Concentric Strand

4	1/2	94	98	54	71
4	Full	102	106	58	76
3	1/2	107	112	61	80
3	Full	116	121	66	87
2	1/2	122	127	69	92
2	Full	132	138	75	99
1	1/2	140	146	79	105
1	Full	151	158	86	113
1/0	1/2	159	166	91	120
1/0	Full	173	180	98	130
2/0	1/2	182	190	104	137
2/0	Full	197	206	112	148
3/0	1/2	208	218	118	157
3/0	Full	226	236	128	170
4/0	1/2	238	249	135	179
4/0	Full	258	270	147	194

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Free Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Copper Conductor - Concentric Strand

4	1/2	148	180	117	158
4	Full	158	191	125	168
3	1/2	170	207	134	181
3	Full	182	219	143	192
2	1/2	196	238	154	208
2	Full	209	252	165	221
1	1/2	226	274	178	239
1	Full	242	291	190	254
1/0	1/2	260	315	205	274
1/0	Full	279	335	219	291
2/0	1/2	301	362	236	314
2/0	Full	322	386	253	335
3/0	1/2	347	417	272	361
3/0	Full	372	444	291	385
4/0	1/2	402	481	314	415
4/0	Full	431	513	336	442

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Free Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Copper Conductor - Concentric Strand

4	1/2	123	154	80	126
4	Full	132	163	86	133
3	1/2	142	176	92	144
3	Full	152	187	99	153
2	1/2	163	202	106	164
2	Full	175	215	113	175
1	1/2	188	233	121	188
1	Full	202	248	130	200
1/0	1/2	217	268	139	216
1/0	Full	232	285	149	230
2/0	1/2	250	308	160	247
2/0	Full	269	328	172	263
3/0	1/2	289	355	184	283
3/0	Full	310	378	197	302
4/0	1/2	334	409	211	324
4/0	Full	359	437	227	346

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
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90°C - Copper Conductor - Concentric Strand

4	1/2	114	119	91	104
4	Full	123	129	98	112
3	1/2	130	137	104	119
3	Full	140	147	112	128
2	1/2	149	156	119	136
2	Full	161	169	129	147
1	1/2	170	180	137	156
1	Full	184	194	148	169
1/0	1/2	195	206	156	179
1/0	Full	211	222	169	194
2/0	1/2	224	237	179	206
2/0	Full	242	256	194	223
3/0	1/2	256	272	206	236
3/0	Full	277	294	223	256
4/0	1/2	294	312	236	272
4/0	Full	318	338	256	294

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Copper Conductor - Concentric Strand

4	1/2	95	99	64	80
4	Full	102	107	70	86
3	1/2	108	114	74	92
3	Full	117	123	80	99
2	1/2	124	130	84	105
2	Full	134	141	91	113
1	1/2	142	150	97	121
1	Full	153	162	105	130
1/0	1/2	162	172	111	138
1/0	Full	175	185	120	150
2/0	1/2	186	197	127	159
2/0	Full	201	213	138	172
3/0	1/2	213	226	146	182
3/0	Full	231	245	158	197
4/0	1/2	244	260	167	210
4/0	Full	265	281	181	227

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	185	62	148.0	165	68	116.4	150	72	96.3
4	Full	195	59	136.6	174	65	109.4	159	69	91.4
3	1/2	212	63	148.1	188	69	115.6	170	72	95.2
3	Full	223	60	136.6	199	66	108.8	182	70	90.5
2	1/2	243	64	147.4	214	70	114.8	194	73	94.2
2	Full	256	61	136.8	228	67	107.8	207	71	89.7
1	1/2	279	65	146.2	245	71	112.9	222	74	92.4
1	Full	294	62	136.2	261	68	106.7	237	72	88.1
1/0	1/2	320	66	145.0	280	72	111.0	252	75	90.6
1/0	Full	337	64	135.0	298	69	105.6	270	73	86.5
2/0	1/2	366	67	143.1	320	73	109.1	288	76	88.5
2/0	Full	387	65	133.6	341	70	103.5	308	74	84.6
3/0	1/2	419	68	140.6	365	74	106.5	328	77	86.1
3/0	Full	444	66	132.1	390	71	101.6	352	75	82.9
4/0	1/2	480	70	137.8	417	75	103.7	374	78	83.4
4/0	Full	510	67	129.7	446	72	99.1	401	76	80.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	174	65	130.6	152	71	99.6	137	75	80.5
4	Full	184	62	121.3	162	68	94.1	146	72	77.3
3	1/2	199	66	129.8	173	72	98.4	156	75	79.5
3	Full	210	63	120.9	185	69	93.7	167	73	76.4
2	1/2	227	67	128.8	197	73	97.2	177	76	78.2
2	Full	240	64	120.3	210	70	92.2	189	74	75.2
1	1/2	260	68	127.2	225	74	95.3	201	77	76.2
1	Full	275	66	119.1	240	72	91.0	216	75	73.3
1/0	1/2	297	70	125.1	256	75	93.3	229	78	74.3
1/0	Full	315	67	117.8	274	73	89.3	246	76	71.6
2/0	1/2	339	71	122.9	292	76	91.1	260	79	72.2
2/0	Full	361	68	116.0	313	74	87.2	280	77	69.6
3/0	1/2	387	72	120.3	332	76	88.6	296	79	69.9
3/0	Full	412	69	113.8	356	74	84.9	318	78	67.9
4/0	1/2	443	73	117.1	379	77	85.7	336	80	67.4
4/0	Full	472	70	111.4	406	75	82.7	362	78	65.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	173	56	125.1	154	61	98.5	140	64	81.6
4	Full	182	54	115.4	163	59	92.5	149	62	77.3
3	1/2	198	57	125.1	176	62	97.8	159	65	80.6
3	Full	209	55	115.6	186	60	92.1	170	63	76.4
2	1/2	227	58	124.8	200	63	96.7	181	66	79.7
2	Full	239	56	115.8	213	61	91.2	194	64	75.7
1	1/2	261	59	123.8	229	64	95.7	207	67	78.1
1	Full	275	57	115.3	244	62	90.5	221	65	74.8
1/0	1/2	299	60	122.3	262	65	94.2	236	67	76.6
1/0	Full	315	58	114.2	279	63	89.3	252	66	73.4
2/0	1/2	342	61	120.7	299	65	92.4	269	68	74.8
2/0	Full	362	59	113.4	319	63	87.7	288	66	71.8
3/0	1/2	392	62	119.1	341	66	90.2	307	69	72.7
3/0	Full	415	60	111.7	364	64	86.1	329	67	69.9
4/0	1/2	449	63	116.7	390	67	88.0	350	70	70.8
4/0	Full	476	61	109.8	416	65	84.2	375	68	68.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	163	59	110.5	142	64	84.3	128	67	68.6
4	Full	172	57	102.8	151	62	80.0	137	65	65.3
3	1/2	186	60	109.9	162	65	83.2	146	68	67.5
3	Full	196	57	102.6	172	63	79.0	156	66	64.4
2	1/2	212	61	108.8	185	65	82.2	165	68	66.2
2	Full	225	58	101.8	197	63	78.2	177	67	63.7
1	1/2	243	62	107.6	210	66	80.5	188	69	64.3
1	Full	257	60	101.0	225	64	76.7	202	67	61.9
1/0	1/2	278	63	106.0	240	67	78.8	214	70	63.0
1/0	Full	295	60	99.7	256	65	75.2	230	68	60.7
2/0	1/2	317	64	104.0	273	68	76.9	243	70	61.0
2/0	Full	337	61	98.0	292	66	73.9	261	69	58.9
3/0	1/2	362	64	101.6	311	69	74.8	276	71	59.3
3/0	Full	385	62	96.3	333	67	71.9	297	70	57.3
4/0	1/2	414	65	99.1	354	69	72.3	314	72	57.0
4/0	Full	441	63	94.2	380	68	69.7	338	70	55.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	167	53	113.7	148	58	89.8	134	61	74.0
4	Full	175	51	105.0	156	56	83.8	143	59	70.2
3	1/2	191	54	113.5	169	59	89.0	153	62	73.3
3	Full	200	52	105.2	179	57	83.7	163	60	69.6
2	1/2	218	55	113.3	193	59	88.2	174	62	72.2
2	Full	230	53	105.3	204	57	83.2	186	60	68.7
1	1/2	251	56	112.4	220	60	86.7	199	63	71.0
1	Full	264	54	104.8	234	58	82.4	213	61	67.6
1/0	1/2	287	57	111.5	252	61	85.6	227	64	69.3
1/0	Full	303	55	103.8	268	59	81.1	243	62	66.6
2/0	1/2	329	58	110.0	287	62	83.8	259	64	67.9
2/0	Full	348	56	103.1	306	60	79.9	277	63	65.3
3/0	1/2	377	58	108.1	328	62	82.1	295	65	66.2
3/0	Full	399	56	101.6	350	61	78.0	316	63	63.8
4/0	1/2	432	59	106.0	375	63	80.0	336	65	64.3
4/0	Full	458	57	99.9	400	61	76.5	361	64	62.0

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	156	56	100.1	137	60	76.7	123	63	62.0
4	Full	165	54	93.0	145	58	72.4	132	61	59.3
3	1/2	179	57	99.9	156	61	75.9	140	64	61.2
3	Full	189	55	93.1	166	59	71.7	150	62	58.6
2	1/2	204	57	98.8	177	62	74.7	159	64	60.2
2	Full	216	55	92.7	189	60	71.2	170	63	57.6
1	1/2	234	58	97.6	202	63	73.3	181	65	58.6
1	Full	247	56	91.9	216	61	70.0	194	64	56.2
1/0	1/2	267	59	96.1	230	63	71.6	206	66	57.1
1/0	Full	283	57	90.6	246	62	68.4	221	64	55.3
2/0	1/2	305	60	94.5	262	64	70.0	234	66	55.4
2/0	Full	324	58	89.4	281	62	67.0	251	65	53.7
3/0	1/2	348	61	92.2	299	65	67.9	266	67	53.6
3/0	Full	370	59	87.4	320	63	65.4	286	65	52.0
4/0	1/2	398	62	89.9	340	65	65.8	302	67	52.1
4/0	Full	424	60	85.7	365	64	63.5	325	66	50.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	152	48	90.9	134	51	71.8	122	54	59.3
4	Full	159	46	83.8	142	50	66.9	130	52	56.0
3	1/2	173	48	91.0	154	52	71.2	139	54	58.6
3	Full	182	46	84.2	163	50	67.0	148	53	55.5
2	1/2	199	49	90.7	175	53	70.7	159	55	57.6
2	Full	209	47	84.2	186	51	66.7	169	53	55.1
1	1/2	228	50	90.0	200	53	69.5	181	55	56.7
1	Full	240	48	83.8	213	52	65.7	193	54	54.3
1/0	1/2	261	50	89.3	229	54	68.4	206	56	55.7
1/0	Full	276	49	83.4	244	52	64.8	221	55	53.5
2/0	1/2	299	51	88.1	261	54	67.0	235	56	54.6
2/0	Full	317	49	82.5	279	53	63.6	252	55	52.0
3/0	1/2	343	52	86.6	298	55	65.4	268	57	52.8
3/0	Full	363	50	81.3	318	54	62.6	287	56	50.8
4/0	1/2	393	52	85.0	341	56	63.9	306	57	51.3
4/0	Full	416	51	80.0	364	54	61.2	328	56	49.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	142	50	80.0	124	53	61.5	112	56	49.5
4	Full	150	48	74.5	132	52	58.2	120	54	47.3
3	1/2	163	50	80.1	142	54	60.7	127	56	49.2
3	Full	172	49	74.3	151	52	57.6	136	55	47.1
2	1/2	186	51	79.2	161	54	59.7	145	57	48.1
2	Full	196	49	74.2	172	53	56.6	155	55	46.1
1	1/2	213	52	78.1	184	55	58.6	165	57	46.7
1	Full	225	50	73.3	196	54	55.7	176	56	45.2
1/0	1/2	243	52	77.0	210	56	57.5	187	58	45.8
1/0	Full	258	51	72.5	224	54	54.8	201	56	44.0
2/0	1/2	277	53	75.6	239	56	55.9	213	58	44.3
2/0	Full	295	52	71.3	255	55	53.7	229	57	43.0
3/0	1/2	317	54	74.0	272	57	54.5	242	58	43.1
3/0	Full	337	52	69.9	291	55	52.4	260	57	41.9
4/0	1/2	362	54	72.0	309	57	52.8	275	59	41.7
4/0	Full	385	53	68.5	332	56	50.9	296	58	40.2

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	123	39	57.1	109	41	44.6	99	43	37.0
4	Full	129	38	52.2	116	40	41.9	106	42	34.8
3	1/2	141	40	57.0	125	42	44.5	113	43	36.6
3	Full	148	38	52.3	132	41	41.9	120	42	35.1
2	1/2	161	40	56.6	142	42	44.1	129	44	36.1
2	Full	170	39	52.6	151	41	41.6	137	43	34.6
1	1/2	185	40	56.2	163	43	43.3	147	44	35.2
1	Full	195	39	52.4	173	42	41.0	157	43	33.8
1/0	1/2	212	41	55.7	186	43	42.6	168	44	34.9
1/0	Full	224	40	52.1	198	42	40.3	179	44	33.1
2/0	1/2	243	41	55.0	212	43	42.1	191	45	33.9
2/0	Full	257	40	51.6	226	42	40.0	204	44	32.7
3/0	1/2	278	42	54.0	242	44	41.0	218	45	32.9
3/0	Full	295	41	50.8	258	43	39.0	233	44	31.7
4/0	1/2	319	42	52.8	277	44	39.8	248	45	32.1
4/0	Full	338	41	49.8	296	43	38.3	266	45	31.0

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	116	40	50.1	101	43	38.1	91	44	31.0
4	Full	122	39	46.8	107	42	36.5	97	43	29.9
3	1/2	132	41	49.7	115	43	37.7	103	44	30.3
3	Full	139	40	46.6	122	42	36.1	110	44	29.3
2	1/2	151	41	49.6	131	43	37.6	117	45	30.1
2	Full	159	40	46.1	140	43	35.6	126	44	28.6
1	1/2	172	42	49.1	149	44	36.7	134	45	29.5
1	Full	183	41	45.7	159	43	34.8	143	44	28.1
1/0	1/2	197	42	48.0	170	44	35.8	152	45	28.5
1/0	Full	209	41	45.3	182	43	34.4	163	45	27.6
2/0	1/2	225	43	47.3	194	45	34.8	173	46	27.9
2/0	Full	239	42	44.7	207	44	33.5	185	45	26.6
3/0	1/2	257	43	46.3	221	45	34.1	196	46	26.8
3/0	Full	273	42	43.9	236	44	32.5	211	45	26.0
4/0	1/2	294	43	45.2	251	45	32.9	223	46	26.0
4/0	Full	313	42	42.9	269	44	31.8	240	46	25.3

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	153	71	142.0	132	76	106.6	118	78	85.4
4	Full	162	68	134.3	141	74	102.0	127	77	82.3
3	1/2	174	72	140.6	150	76	105.1	134	79	84.0
3	Full	185	69	133.6	161	74	100.7	145	77	81.0
2	1/2	199	73	139.0	171	77	103.2	153	80	82.2
2	Full	212	70	132.2	183	75	99.3	164	78	79.8
1	1/2	227	74	136.8	195	78	100.7	174	80	80.2
1	Full	242	71	130.4	209	76	97.3	187	79	77.8
1/0	1/2	259	74	134.3	222	79	98.4	197	81	78.2
1/0	Full	276	72	128.2	238	77	95.2	213	80	75.9
2/0	1/2	295	75	131.3	252	79	96.0	224	82	76.0
2/0	Full	316	73	125.8	271	78	93.0	242	80	73.8
3/0	1/2	336	76	128.2	287	80	93.4	255	82	73.6
3/0	Full	360	74	123.0	309	78	90.5	275	81	71.8
4/0	1/2	384	77	124.5	327	81	90.4	290	83	71.2
4/0	Full	412	75	119.9	352	79	88.0	313	81	69.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho----	----- 90 Rho----	-----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	141	74	120.1	120	78	87.4	106	81	68.9
4	Full	150	71	114.7	129	76	84.3	115	79	67.0
3	1/2	160	75	118.4	136	79	85.9	120	81	67.3
3	Full	171	72	113.2	146	77	82.9	130	80	65.5
2	1/2	182	75	116.6	154	80	84.0	136	82	65.6
2	Full	194	73	111.7	166	78	81.5	147	80	64.2
1	1/2	207	76	113.8	175	80	81.5	155	82	63.7
1	Full	222	74	109.5	189	79	79.2	167	81	62.3
1/0	1/2	235	77	111.2	199	81	79.5	175	83	61.8
1/0	Full	252	75	107.0	214	79	77.2	190	82	60.6
2/0	1/2	268	78	108.2	226	81	76.9	199	83	59.6
2/0	Full	288	76	104.5	244	80	75.1	215	82	58.3
3/0	1/2	305	79	104.9	256	82	74.4	225	84	57.5
3/0	Full	327	77	101.4	277	81	72.7	244	83	56.6
4/0	1/2	346	79	101.5	291	83	71.7	256	84	55.2
4/0	Full	373	78	98.3	315	81	70.1	277	83	54.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	143	64	120.1	124	68	90.0	111	70	72.3
4	Full	152	62	113.5	132	66	86.2	119	69	69.7
3	1/2	163	65	119.2	141	68	88.8	126	71	71.0
3	Full	173	62	112.9	151	67	85.1	135	69	68.8
2	1/2	186	65	117.7	160	69	87.2	143	71	69.5
2	Full	198	63	111.7	171	67	84.0	154	70	67.4
1	1/2	212	66	115.5	182	70	85.2	162	72	67.7
1	Full	226	64	110.1	195	68	82.2	175	71	66.0
1/0	1/2	242	67	113.4	207	70	83.3	184	72	66.0
1/0	Full	258	65	108.3	223	69	80.4	199	71	64.4
2/0	1/2	276	68	110.9	236	71	81.1	210	73	64.1
2/0	Full	295	66	106.4	254	70	78.7	226	72	62.6
3/0	1/2	314	68	108.3	268	71	79.0	238	73	62.4
3/0	Full	337	67	104.0	289	70	76.7	257	72	60.9
4/0	1/2	359	69	105.3	306	72	76.3	271	74	60.1
4/0	Full	385	67	101.5	329	71	74.4	293	73	58.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	131	66	101.6	112	70	73.9	99	72	58.1
4	Full	140	64	97.0	120	68	71.6	107	71	56.6
3	1/2	149	67	100.3	127	71	72.5	112	73	57.0
3	Full	160	65	95.8	137	69	70.3	121	71	55.5
2	1/2	170	68	98.6	144	71	70.9	127	73	55.7
2	Full	182	66	94.3	155	70	68.8	138	72	54.2
1	1/2	193	68	96.3	164	72	69.0	145	74	53.9
1	Full	207	67	92.6	176	70	67.0	156	72	52.5
1/0	1/2	220	69	94.2	186	72	67.3	164	74	52.2
1/0	Full	236	67	90.7	200	71	65.4	177	73	51.3
2/0	1/2	250	70	91.5	211	73	65.0	186	74	50.4
2/0	Full	269	68	88.4	228	72	63.5	201	73	49.5
3/0	1/2	285	70	88.8	240	73	62.9	211	75	48.6
3/0	Full	306	69	85.9	259	72	61.5	228	74	47.7
4/0	1/2	324	71	85.8	272	74	60.6	239	75	46.8
4/0	Full	348	70	83.4	294	73	59.3	259	74	46.0

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	137	60	109.3	119	64	82.0	106	66	65.4
4	Full	146	58	103.5	127	62	78.5	114	65	63.5
3	1/2	156	61	108.4	135	65	80.7	121	67	64.4
3	Full	167	59	102.5	145	63	77.3	130	65	62.5
2	1/2	178	62	107.1	154	65	79.4	137	67	63.1
2	Full	190	60	101.7	165	64	76.2	148	66	61.3
1	1/2	204	62	105.1	175	66	77.5	156	68	61.6
1	Full	217	61	100.0	188	64	74.8	168	66	60.0
1/0	1/2	232	63	103.2	199	66	75.6	177	68	59.9
1/0	Full	248	61	98.7	214	65	73.4	191	67	58.3
2/0	1/2	265	64	100.9	227	67	73.8	202	69	58.3
2/0	Full	284	62	96.6	244	65	71.4	218	67	56.8
3/0	1/2	302	64	98.6	258	67	71.8	229	69	56.6
3/0	Full	324	63	94.5	278	66	69.5	247	68	55.2
4/0	1/2	345	65	95.8	294	68	69.6	261	69	54.7
4/0	Full	370	63	92.3	317	67	67.7	282	68	53.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	126	63	92.4	108	66	67.3	95	68	52.7
4	Full	135	61	88.1	116	65	65.0	103	67	51.6
3	1/2	144	63	91.0	122	66	65.9	108	68	51.8
3	Full	153	61	87.0	131	65	64.0	117	67	50.3
2	1/2	163	64	89.7	139	67	64.5	123	69	50.3
2	Full	175	62	85.8	149	66	62.7	132	68	49.3
1	1/2	186	64	87.6	157	67	62.6	139	69	48.8
1	Full	199	63	84.2	170	66	61.0	150	68	47.8
1/0	1/2	212	65	85.6	179	68	60.9	158	70	47.4
1/0	Full	227	64	82.4	193	67	59.3	170	69	46.5
2/0	1/2	241	66	83.3	203	68	59.3	179	70	45.9
2/0	Full	258	64	80.2	219	67	57.7	193	69	45.0
3/0	1/2	274	66	80.8	230	69	57.2	203	70	44.3
3/0	Full	294	65	78.2	249	68	55.8	219	69	43.4
4/0	1/2	311	67	78.0	261	69	54.9	230	71	42.5
4/0	Full	335	66	75.8	283	68	53.9	249	70	41.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	125	53	87.4	108	56	65.4	97	58	52.3
4	Full	133	52	82.7	116	55	62.7	104	57	50.8
3	1/2	142	54	86.6	123	57	64.4	110	58	51.4
3	Full	151	52	82.2	132	55	62.2	118	57	50.0
2	1/2	162	54	85.4	140	57	63.5	125	59	50.7
2	Full	173	53	81.2	150	56	61.0	134	58	48.9
1	1/2	185	55	84.2	159	58	62.0	142	59	49.2
1	Full	198	54	80.2	171	56	60.0	153	58	47.8
1/0	1/2	211	55	82.7	181	58	60.6	161	59	48.1
1/0	Full	226	54	78.8	195	57	58.6	174	59	46.8
2/0	1/2	241	56	80.8	206	58	58.9	183	60	46.8
2/0	Full	258	55	77.5	222	57	57.1	198	59	45.6
3/0	1/2	275	56	78.7	235	59	57.5	208	60	45.1
3/0	Full	294	55	75.6	253	58	55.8	225	59	44.3
4/0	1/2	314	57	76.6	267	59	55.5	237	60	43.8
4/0	Full	336	56	73.9	288	58	54.1	256	60	42.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	115	55	73.9	98	58	53.9	87	59	42.3
4	Full	123	54	70.4	105	57	51.9	94	58	41.2
3	1/2	131	56	72.9	111	58	52.9	98	60	41.4
3	Full	140	54	69.6	119	57	51.1	106	59	40.3
2	1/2	149	56	71.6	126	59	51.8	111	60	40.4
2	Full	159	55	68.8	136	58	50.0	120	59	39.4
1	1/2	169	57	70.1	143	59	50.2	126	60	39.1
1	Full	181	55	67.4	154	58	48.8	137	60	38.4
1/0	1/2	192	57	68.3	163	59	48.7	143	61	37.8
1/0	Full	206	56	65.7	175	58	47.4	155	60	37.2
2/0	1/2	219	58	66.5	185	60	47.4	163	61	36.8
2/0	Full	235	56	64.1	199	59	46.2	176	60	35.9
3/0	1/2	249	58	64.7	209	60	45.7	184	61	35.3
3/0	Full	268	57	62.4	226	59	44.5	200	61	34.8
4/0	1/2	283	58	62.5	238	60	44.1	209	61	34.1
4/0	Full	305	57	60.6	257	60	43.0	226	61	33.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	101	43	54.6	88	44	40.8	79	46	32.7
4	Full	108	42	51.6	94	44	39.3	84	45	31.6
3	1/2	116	43	54.0	100	45	40.3	89	46	32.2
3	Full	123	42	51.4	107	44	38.9	96	45	31.1
2	1/2	132	43	53.5	113	45	39.7	101	46	31.6
2	Full	140	42	50.7	122	44	38.3	109	45	30.5
1	1/2	150	44	52.5	129	45	38.7	115	46	30.7
1	Full	160	43	50.2	139	45	37.4	124	46	30.0
1/0	1/2	172	44	51.6	147	46	37.8	131	47	30.1
1/0	Full	183	43	49.3	158	45	36.5	141	46	29.2
2/0	1/2	196	44	50.4	167	46	36.8	149	47	29.2
2/0	Full	209	44	48.3	180	45	35.9	161	46	28.6
3/0	1/2	223	45	49.1	190	46	35.9	169	47	28.2
3/0	Full	239	44	47.4	205	46	34.8	183	46	27.6
4/0	1/2	255	45	47.9	217	46	34.6	192	47	27.3
4/0	Full	273	44	46.0	234	46	33.8	208	47	26.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	93	44	46.2	80	45	33.5	70	46	26.6
4	Full	99	43	44.3	85	45	32.3	76	46	25.8
3	1/2	106	44	45.5	90	46	32.9	80	47	25.9
3	Full	113	43	43.7	97	45	31.8	86	46	25.2
2	1/2	121	44	44.7	102	46	32.3	90	47	25.2
2	Full	129	44	42.9	110	45	31.2	98	46	24.5
1	1/2	137	45	43.8	116	46	31.3	103	47	24.6
1	Full	147	44	42.1	125	46	30.7	111	47	23.9
1/0	1/2	156	45	42.6	132	47	30.4	116	47	23.7
1/0	Full	167	44	41.0	142	46	29.8	126	47	23.4
2/0	1/2	178	45	41.6	150	47	29.5	132	47	23.1
2/0	Full	191	45	40.1	162	46	28.9	143	47	22.5
3/0	1/2	202	46	40.2	170	47	28.5	150	48	22.1
3/0	Full	217	45	39.1	184	46	27.9	162	47	21.8
4/0	1/2	230	46	39.0	193	47	27.6	170	48	21.4
4/0	Full	247	45	37.9	209	47	26.8	184	47	20.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	133	75	143.7	114	79	104.9	101	82	83.0
4	Full	142	73	137.8	122	78	101.8	109	80	80.9
3	1/2	151	76	141.8	129	80	103.2	114	82	81.4
3	Full	162	74	136.2	139	78	100.2	124	81	79.5
2	1/2	172	77	139.3	146	81	101.1	130	83	79.6
2	Full	184	75	134.2	158	79	98.2	140	81	77.7
1	1/2	196	78	136.2	166	81	98.4	147	83	77.1
1	Full	210	76	131.4	180	80	95.7	160	82	75.6
1/0	1/2	223	78	133.3	189	82	95.9	167	84	75.1
1/0	Full	240	77	128.8	204	80	93.6	181	82	73.7
2/0	1/2	254	79	130.0	215	82	93.1	190	84	72.8
2/0	Full	273	77	125.6	232	81	91.0	206	83	71.5
3/0	1/2	289	80	126.2	244	83	90.1	216	84	70.4
3/0	Full	311	78	122.4	264	81	88.3	234	83	69.1
4/0	1/2	329	80	122.3	278	83	87.1	245	85	68.0
4/0	Full	355	79	118.9	300	82	85.4	266	84	66.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	121	78	119.0	102	81	84.7	90	83	65.8
4	Full	130	76	114.9	110	80	82.6	97	82	64.5
3	1/2	137	79	117.0	116	82	82.8	102	84	64.0
3	Full	148	77	113.1	125	81	80.8	110	83	63.0
2	1/2	156	79	114.3	131	82	80.9	115	84	62.5
2	Full	168	78	110.9	141	81	79.0	125	83	61.3
1	1/2	177	80	111.3	148	83	78.3	130	85	60.3
1	Full	191	78	108.0	161	82	76.5	141	84	59.4
1/0	1/2	201	81	108.2	168	83	75.9	148	85	58.2
1/0	Full	217	79	105.4	182	82	74.5	160	84	57.4
2/0	1/2	228	81	105.0	191	84	73.4	167	85	56.3
2/0	Full	246	80	102.3	207	83	72.0	181	84	55.5
3/0	1/2	259	82	101.7	216	84	70.7	189	86	54.3
3/0	Full	280	80	99.1	234	83	69.4	206	85	53.5
4/0	1/2	294	82	97.9	245	85	68.0	214	86	52.1
4/0	Full	318	81	95.7	266	84	66.8	233	85	51.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	124	68	121.7	106	71	88.8	94	73	70.3
4	Full	133	66	116.6	114	70	86.1	102	72	68.6
3	1/2	141	68	120.0	121	72	87.4	107	73	68.9
3	Full	151	67	115.1	130	70	84.7	116	72	67.3
2	1/2	161	69	117.8	137	72	85.6	121	74	67.3
2	Full	172	67	113.4	147	71	83.1	131	73	65.7
1	1/2	183	70	115.2	156	73	83.1	138	74	65.4
1	Full	197	68	111.3	168	71	81.0	149	73	63.9
1/0	1/2	208	70	112.8	177	73	81.1	156	75	63.7
1/0	Full	224	69	109.1	191	72	79.1	169	74	62.2
2/0	1/2	237	71	109.9	201	73	78.8	178	75	61.7
2/0	Full	255	69	106.4	217	72	76.9	192	74	60.4
3/0	1/2	270	71	106.8	228	74	76.3	202	75	59.7
3/0	Full	291	70	103.7	247	73	74.8	219	74	58.6
4/0	1/2	308	72	103.5	260	74	73.8	229	76	57.4
4/0	Full	331	71	100.6	281	73	72.4	248	75	56.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	113	70	100.8	95	73	71.7	84	74	55.5
4	Full	121	68	97.4	103	72	69.9	91	73	54.5
3	1/2	128	70	98.9	108	73	70.2	95	75	54.4
3	Full	138	69	95.6	117	72	68.6	103	74	53.1
2	1/2	146	71	97.0	122	74	68.2	108	75	52.7
2	Full	157	70	93.8	132	73	67.0	116	74	51.8
1	1/2	165	72	94.2	139	74	66.3	122	75	51.0
1	Full	178	70	91.5	150	73	64.8	132	75	50.1
1/0	1/2	188	72	91.6	157	74	64.2	138	76	49.4
1/0	Full	202	71	89.1	170	74	62.8	150	75	48.5
2/0	1/2	213	73	88.8	178	75	62.0	156	76	47.7
2/0	Full	230	71	86.6	193	74	60.9	170	75	47.1
3/0	1/2	242	73	86.0	202	75	59.9	177	76	45.8
3/0	Full	261	72	83.7	219	74	58.9	192	76	45.3
4/0	1/2	275	74	82.7	229	76	57.4	200	77	43.9
4/0	Full	297	72	81.0	248	75	56.7	218	76	43.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	119	64	110.7	102	67	80.9	91	69	63.8
4	Full	128	62	105.9	110	66	78.2	98	68	62.4
3	1/2	136	64	109.1	116	67	79.5	103	69	62.6
3	Full	145	63	104.8	125	66	77.2	111	68	61.0
2	1/2	155	65	107.1	132	68	77.7	117	69	61.3
2	Full	166	63	103.3	142	67	75.5	126	68	59.7
1	1/2	176	66	104.7	150	68	75.6	132	70	59.4
1	Full	189	64	101.1	161	67	73.8	143	69	58.2
1/0	1/2	200	66	102.5	170	69	73.7	150	70	57.7
1/0	Full	215	65	99.1	183	68	71.9	163	69	56.5
2/0	1/2	228	67	99.9	193	69	71.5	171	70	56.0
2/0	Full	245	65	96.7	209	68	69.9	185	70	55.0
3/0	1/2	260	67	97.0	219	69	69.4	194	71	54.3
3/0	Full	279	66	94.2	237	68	67.9	210	70	53.3
4/0	1/2	296	68	94.1	250	70	67.0	220	71	52.3
4/0	Full	319	66	91.4	270	69	65.6	239	70	51.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	109	66	91.5	92	68	65.1	81	70	50.4
4	Full	117	64	88.5	99	67	63.4	87	69	49.4
3	1/2	123	66	90.0	104	69	63.6	91	70	49.5
3	Full	133	65	87.0	112	68	62.3	99	69	48.5
2	1/2	140	67	88.1	118	69	62.2	103	71	48.0
2	Full	151	65	85.3	127	68	60.6	112	70	47.1
1	1/2	159	67	85.5	133	70	60.3	117	71	46.5
1	Full	171	66	83.1	144	69	58.8	127	70	45.6
1/0	1/2	181	68	83.4	151	70	58.2	133	71	44.8
1/0	Full	195	67	81.1	164	69	57.1	144	70	44.3
2/0	1/2	205	68	80.7	171	70	56.3	150	71	43.3
2/0	Full	221	67	78.8	186	70	55.5	163	71	42.8
3/0	1/2	233	69	78.1	194	71	54.3	170	72	41.7
3/0	Full	251	68	76.3	210	70	53.5	185	71	41.2
4/0	1/2	264	69	75.2	220	71	52.3	193	72	40.0
4/0	Full	286	68	73.6	239	70	51.4	209	71	39.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	109	56	88.5	93	58	64.5	83	60	51.1
4	Full	116	55	84.7	100	57	62.7	89	59	49.7
3	1/2	124	57	87.4	105	59	63.3	94	60	50.1
3	Full	132	55	83.7	113	58	61.7	101	59	48.8
2	1/2	141	57	85.6	120	59	62.2	106	60	49.0
2	Full	151	56	82.4	129	58	60.3	115	60	47.7
1	1/2	160	57	84.0	136	60	60.6	120	61	47.4
1	Full	172	56	81.0	147	59	59.1	130	60	46.5
1/0	1/2	182	58	81.9	155	60	59.1	137	61	46.3
1/0	Full	196	57	79.4	167	59	57.7	148	60	45.4
2/0	1/2	207	58	79.9	176	60	57.4	155	61	44.7
2/0	Full	223	57	77.4	190	59	56.0	168	61	43.9
3/0	1/2	236	59	77.6	200	61	55.6	176	62	43.3
3/0	Full	254	58	75.3	216	60	54.3	191	61	42.5
4/0	1/2	269	59	75.2	227	61	53.5	200	62	41.7
4/0	Full	290	58	73.1	246	60	52.6	217	61	41.2

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	99	58	73.4	83	60	52.1	73	61	40.5
4	Full	106	56	70.6	90	59	50.7	79	60	39.8
3	1/2	112	58	71.9	94	60	51.1	83	61	39.6
3	Full	121	57	69.6	102	59	49.8	90	61	38.6
2	1/2	127	58	70.4	107	60	49.6	94	61	38.5
2	Full	137	57	68.2	116	60	48.6	102	61	37.6
1	1/2	145	59	68.4	121	61	48.3	106	62	37.2
1	Full	156	58	66.6	131	60	47.1	115	61	36.6
1/0	1/2	164	59	66.5	137	61	46.8	121	62	36.0
1/0	Full	177	58	64.8	149	60	45.7	131	61	35.4
2/0	1/2	187	60	64.7	156	61	45.2	137	62	34.7
2/0	Full	201	59	63.1	169	61	44.4	148	62	34.1
3/0	1/2	212	60	62.5	177	62	43.5	155	62	33.3
3/0	Full	229	59	60.9	191	61	42.8	168	62	33.0
4/0	1/2	240	60	60.3	200	62	41.7	175	63	32.1
4/0	Full	260	60	58.8	217	61	41.2	190	62	31.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	88	44	55.2	75	46	40.5	67	47	31.9
4	Full	94	44	52.8	81	45	39.1	72	46	31.2
3	1/2	100	45	54.4	86	46	39.6	76	47	31.3
3	Full	107	44	52.4	92	46	38.6	82	46	30.7
2	1/2	114	45	53.7	97	46	38.9	86	47	30.6
2	Full	122	44	51.5	105	46	37.9	93	47	30.0
1	1/2	130	45	52.5	110	47	37.8	98	47	29.7
1	Full	139	45	50.4	119	46	36.9	106	47	29.1
1/0	1/2	148	46	51.1	125	47	36.8	111	48	28.8
1/0	Full	159	45	49.4	135	46	36.0	120	47	28.3
2/0	1/2	168	46	49.8	143	47	35.7	126	48	27.9
2/0	Full	181	45	48.5	154	47	34.9	136	47	27.6
3/0	1/2	192	46	48.6	162	47	34.6	143	48	27.1
3/0	Full	206	45	47.1	175	47	34.1	155	47	26.6
4/0	1/2	218	46	47.0	184	47	33.5	163	48	26.0
4/0	Full	235	46	45.8	199	47	32.8	176	48	25.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	80	45	45.9	68	47	32.6	60	47	25.4
4	Full	86	45	44.2	73	46	31.9	64	47	24.7
3	1/2	91	46	44.8	77	47	32.0	67	48	24.7
3	Full	98	45	43.5	83	46	31.0	73	47	24.1
2	1/2	103	46	43.9	87	47	31.0	76	48	24.0
2	Full	111	45	42.6	94	47	30.3	83	47	23.7
1	1/2	117	46	42.9	98	47	30.0	86	48	23.1
1	Full	126	46	41.7	106	47	29.4	94	48	22.8
1/0	1/2	133	46	41.7	112	48	29.1	98	48	22.6
1/0	Full	144	46	40.5	121	47	28.6	106	48	22.0
2/0	1/2	151	47	40.3	126	48	28.2	111	48	21.7
2/0	Full	163	46	39.3	137	47	27.6	120	48	21.4
3/0	1/2	172	47	38.9	143	48	27.1	125	48	20.7
3/0	Full	186	46	38.2	155	47	26.6	136	48	20.5
4/0	1/2	195	47	37.6	163	48	26.0	142	48	20.0
4/0	Full	211	47	36.9	176	48	25.8	154	48	19.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	107	34	14.6	104	37	13.8	101	40	13.0
4	Full	115	34	14.2	112	37	13.3	109	40	12.7
3	1/2	122	34	15.1	119	38	14.2	116	41	13.5
3	Full	132	34	14.6	128	37	13.8	125	40	13.0
2	1/2	139	34	15.6	135	38	14.6	132	41	13.8
2	Full	150	34	15.1	146	38	14.3	142	41	13.5
1	1/2	160	35	16.2	155	38	15.3	150	42	14.3
1	Full	172	35	15.8	167	38	14.8	162	41	14.0
1/0	1/2	183	35	16.7	177	39	15.8	171	42	14.8
1/0	Full	197	35	16.4	191	39	15.4	185	42	14.5
2/0	1/2	209	36	17.4	202	39	16.2	196	43	15.3
2/0	Full	226	35	17.0	219	39	15.9	212	42	15.0
3/0	1/2	239	36	18.2	231	40	16.9	224	43	15.9
3/0	Full	259	36	17.7	250	40	16.6	242	43	15.6
4/0	1/2	274	36	19.0	265	41	17.5	256	44	16.4
4/0	Full	297	36	18.5	286	40	17.2	277	44	16.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	105	36	14.0	101	41	13.0	97	44	12.1
4	Full	113	36	13.7	109	40	12.7	105	44	11.7
3	1/2	120	37	14.5	115	41	13.3	111	45	12.4
3	Full	129	36	14.0	124	41	13.0	120	44	12.1
2	1/2	136	37	15.0	131	42	13.7	126	45	12.7
2	Full	147	37	14.5	141	41	13.3	136	45	12.4
1	1/2	156	37	15.4	150	42	14.2	144	46	13.2
1	Full	169	37	15.1	162	42	13.8	156	46	12.9
1/0	1/2	178	38	16.1	171	43	14.6	164	47	13.5
1/0	Full	193	38	15.6	185	42	14.3	177	46	13.2
2/0	1/2	204	38	16.6	195	43	15.1	187	47	14.0
2/0	Full	221	38	16.2	211	43	14.8	203	47	13.7
3/0	1/2	234	39	17.2	223	44	15.8	213	48	14.5
3/0	Full	252	39	16.9	241	44	15.4	231	48	14.2
4/0	1/2	267	39	18.0	255	45	16.2	243	49	15.0
4/0	Full	289	39	17.5	276	44	15.9	264	48	14.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	99	32	12.2	97	35	11.4	94	38	10.9
4	Full	107	32	11.7	104	35	11.1	101	37	10.6
3	1/2	113	33	12.5	110	36	11.9	107	38	11.3
3	Full	122	32	12.2	119	35	11.6	116	38	10.9
2	1/2	129	33	12.9	125	36	12.2	122	38	11.6
2	Full	139	33	12.5	135	36	11.9	132	38	11.3
1	1/2	148	33	13.5	143	36	12.7	139	39	11.9
1	Full	160	33	13.0	155	36	12.4	151	39	11.6
1/0	1/2	169	33	14.0	164	37	13.0	159	39	12.4
1/0	Full	183	33	13.7	177	36	12.7	172	39	12.1
2/0	1/2	194	34	14.5	187	37	13.5	181	40	12.7
2/0	Full	209	34	14.2	202	37	13.2	196	40	12.5
3/0	1/2	222	34	15.1	214	37	14.0	207	40	13.2
3/0	Full	240	34	14.8	231	37	13.8	224	40	12.9
4/0	1/2	254	35	15.8	245	38	14.6	237	41	13.7
4/0	Full	275	34	15.4	265	38	14.3	257	41	13.3

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	97	34	11.7	94	38	10.8	90	41	10.1
4	Full	105	34	11.4	101	38	10.5	98	41	9.8
3	1/2	111	35	12.1	107	38	11.1	103	42	10.3
3	Full	120	34	11.7	115	38	10.8	111	41	10.1
2	1/2	127	35	12.4	121	39	11.4	117	42	10.6
2	Full	137	35	12.1	131	38	11.1	127	42	10.5
1	1/2	145	35	12.9	139	39	11.9	133	43	10.9
1	Full	156	35	12.5	150	39	11.6	144	42	10.8
1/0	1/2	165	36	13.3	158	40	12.2	152	43	11.3
1/0	Full	179	35	13.0	171	39	11.9	165	43	11.1
2/0	1/2	189	36	13.8	181	40	12.7	173	44	11.6
2/0	Full	204	36	13.5	196	40	12.4	188	43	11.4
3/0	1/2	216	37	14.3	206	41	13.0	198	44	11.9
3/0	Full	234	36	14.0	223	40	12.9	214	44	11.7
4/0	1/2	247	37	15.0	236	41	13.5	226	45	12.4
4/0	Full	268	37	14.6	255	41	13.3	244	45	12.2

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	95	32	10.9	92	34	10.3	90	36	9.8
4	Full	102	31	10.6	100	34	10.1	97	36	9.5
3	1/2	108	32	11.3	105	34	10.6	102	37	10.1
3	Full	117	32	10.9	114	34	10.3	111	36	9.8
2	1/2	124	32	11.7	120	35	10.9	117	37	10.5
2	Full	133	32	11.4	130	35	10.8	126	37	10.1
1	1/2	142	32	12.1	137	35	11.4	133	38	10.8
1	Full	153	32	11.7	148	35	11.1	144	37	10.5
1/0	1/2	162	33	12.5	157	35	11.7	152	38	11.1
1/0	Full	175	32	12.2	169	35	11.6	164	38	10.9
2/0	1/2	185	33	13.0	179	36	12.2	174	38	11.4
2/0	Full	200	33	12.7	194	36	11.9	188	38	11.3
3/0	1/2	212	33	13.5	205	36	12.7	198	39	11.9
3/0	Full	229	33	13.3	222	36	12.4	215	39	11.6
4/0	1/2	243	34	14.2	234	37	13.2	227	39	12.4
4/0	Full	263	33	13.8	254	36	12.9	246	39	12.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	93	33	10.5	90	37	9.8	87	40	9.2
4	Full	100	33	10.3	97	36	9.5	93	39	8.8
3	1/2	106	34	10.8	102	37	10.0	98	40	9.3
3	Full	115	34	10.6	110	37	9.8	106	40	9.2
2	1/2	121	34	11.3	116	37	10.3	112	40	9.6
2	Full	131	34	10.9	126	37	10.1	121	40	9.3
1	1/2	139	34	11.6	133	38	10.6	128	41	9.8
1	Full	149	34	11.3	144	38	10.5	138	41	9.6
1/0	1/2	158	35	12.1	151	38	10.9	145	41	10.1
1/0	Full	171	34	11.7	164	38	10.8	157	41	10.0
2/0	1/2	181	35	12.4	173	39	11.4	166	42	10.5
2/0	Full	195	35	12.2	187	38	11.1	180	42	10.3
3/0	1/2	207	35	12.9	197	39	11.7	189	42	10.8
3/0	Full	224	35	12.7	214	39	11.6	205	42	10.6
4/0	1/2	237	36	13.3	226	40	12.2	216	43	11.1
4/0	Full	256	36	13.2	245	39	12.1	234	43	10.9

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	86	30	8.7	83	32	8.2	81	34	7.7
4	Full	92	30	8.4	90	32	7.9	88	34	7.6
3	1/2	98	30	8.8	95	32	8.4	92	34	7.9
3	Full	105	30	8.7	102	32	8.2	100	34	7.7
2	1/2	112	31	9.2	108	33	8.7	105	35	8.2
2	Full	120	30	8.8	117	33	8.4	114	34	8.0
1	1/2	128	31	9.5	124	33	9.0	120	35	8.5
1	Full	138	31	9.3	134	33	8.7	130	35	8.2
1/0	1/2	146	31	9.8	141	33	9.3	137	35	8.7
1/0	Full	157	31	9.6	153	33	9.0	148	35	8.5
2/0	1/2	167	31	10.3	161	34	9.6	157	36	9.0
2/0	Full	180	31	10.0	175	33	9.3	169	35	8.8
3/0	1/2	191	31	10.6	184	34	10.0	179	36	9.3
3/0	Full	206	31	10.5	200	34	9.8	193	36	9.2
4/0	1/2	219	32	11.1	211	34	10.3	204	36	9.6
4/0	Full	237	32	10.8	229	34	10.1	221	36	9.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	84	32	8.2	81	34	7.7	78	37	7.1
4	Full	91	32	8.0	87	34	7.6	84	36	6.9
3	1/2	96	32	8.5	92	35	7.9	89	37	7.4
3	Full	103	32	8.4	99	34	7.7	96	37	7.2
2	1/2	109	32	8.8	105	35	8.0	101	37	7.6
2	Full	118	32	8.5	113	35	7.9	109	37	7.4
1	1/2	125	32	9.2	120	35	8.4	115	37	7.7
1	Full	135	32	8.8	129	35	8.2	125	37	7.6
1/0	1/2	142	33	9.5	137	35	8.7	131	38	8.0
1/0	Full	154	32	9.2	148	35	8.5	142	38	7.9
2/0	1/2	163	33	9.8	156	36	9.0	150	38	8.2
2/0	Full	176	33	9.5	169	36	8.7	162	38	8.0
3/0	1/2	186	33	10.1	178	36	9.2	171	39	8.5
3/0	Full	202	33	10.0	193	36	9.0	185	38	8.4
4/0	1/2	213	34	10.5	203	37	9.5	195	39	8.8
4/0	Full	231	33	10.3	220	36	9.3	211	39	8.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	69	28	5.3	67	29	5.0	65	31	4.7
4	Full	74	28	5.1	72	29	4.8	70	30	4.7
3	1/2	78	28	5.5	76	30	5.1	74	31	4.8
3	Full	84	28	5.3	82	29	5.0	80	31	4.7
2	1/2	89	28	5.6	87	30	5.3	84	31	5.0
2	Full	96	28	5.5	94	30	5.1	91	31	4.8
1	1/2	102	29	5.8	99	30	5.5	96	31	5.1
1	Full	110	28	5.6	107	30	5.3	104	31	5.0
1/0	1/2	117	29	6.0	113	30	5.6	110	31	5.3
1/0	Full	126	29	5.8	122	30	5.5	119	31	5.1
2/0	1/2	133	29	6.3	129	30	5.8	125	31	5.5
2/0	Full	144	29	6.1	140	30	5.6	136	31	5.3
3/0	1/2	153	29	6.4	147	30	6.0	143	32	5.6
3/0	Full	165	29	6.3	160	30	6.0	155	32	5.6
4/0	1/2	175	29	6.8	169	31	6.3	163	32	5.8
4/0	Full	189	29	6.6	183	31	6.1	177	32	5.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	67	29	5.0	65	31	4.7	63	32	4.3
4	Full	73	29	4.8	70	31	4.5	68	32	4.2
3	1/2	77	29	5.1	74	31	4.8	71	32	4.5
3	Full	83	29	5.0	80	31	4.7	77	32	4.3
2	1/2	87	29	5.3	84	31	5.0	81	32	4.5
2	Full	94	29	5.1	91	31	4.8	87	32	4.5
1	1/2	100	29	5.5	96	31	5.1	92	33	4.7
1	Full	108	29	5.5	104	31	5.0	100	32	4.7
1/0	1/2	114	30	5.8	109	31	5.3	105	33	4.8
1/0	Full	123	30	5.6	118	31	5.1	114	33	4.8
2/0	1/2	130	30	6.0	125	32	5.5	120	33	5.0
2/0	Full	141	30	5.8	135	31	5.3	130	33	5.0
3/0	1/2	149	30	6.1	142	32	5.6	136	33	5.1
3/0	Full	161	30	6.0	154	32	5.5	148	33	5.1
4/0	1/2	170	30	6.4	163	32	5.8	156	34	5.3
4/0	Full	184	30	6.3	176	32	5.6	169	33	5.3

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	102	39	18.9	98	44	17.2	94	48	15.8
4	Full	110	39	18.3	106	44	16.7	101	48	15.5
3	1/2	117	40	19.4	111	45	17.6	107	49	16.3
3	Full	126	39	18.9	120	44	17.3	115	48	15.9
2	1/2	133	40	20.0	127	45	18.2	121	49	16.6
2	Full	143	40	19.4	137	45	17.7	131	49	16.3
1	1/2	152	41	20.7	144	46	18.8	138	50	17.1
1	Full	164	40	20.2	156	45	18.3	149	49	16.8
1/0	1/2	173	41	21.4	165	46	19.3	157	51	17.6
1/0	Full	187	41	20.9	178	46	18.9	170	50	17.3
2/0	1/2	198	42	22.1	188	47	19.9	179	51	18.1
2/0	Full	214	41	21.6	203	47	19.6	194	51	17.7
3/0	1/2	226	42	22.9	214	48	20.6	204	52	18.7
3/0	Full	245	42	22.4	232	47	20.1	221	52	18.3
4/0	1/2	259	43	23.8	244	49	21.3	232	53	19.2
4/0	Full	280	43	23.3	265	48	20.8	252	52	18.9

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	99	43	17.5	93	49	15.5	88	54	13.9
4	Full	106	43	17.1	100	49	15.1	95	53	13.5
3	1/2	112	44	18.0	105	50	15.8	99	54	14.1
3	Full	121	43	17.5	114	49	15.5	108	54	13.9
2	1/2	128	44	18.4	120	50	16.3	113	55	14.4
2	Full	138	44	18.1	129	50	15.9	122	54	14.2
1	1/2	146	45	19.1	136	51	16.7	128	56	14.8
1	Full	158	44	18.7	148	50	16.4	139	55	14.6
1/0	1/2	166	45	19.7	155	52	17.2	146	56	15.1
1/0	Full	180	45	19.2	168	51	16.8	158	56	14.9
2/0	1/2	190	46	20.4	177	52	17.6	166	57	15.5
2/0	Full	205	46	19.9	191	52	17.3	180	57	15.2
3/0	1/2	216	47	20.9	201	53	18.1	188	58	15.9
3/0	Full	234	46	20.6	218	53	17.9	204	57	15.7
4/0	1/2	247	48	21.7	229	54	18.7	214	59	16.3
4/0	Full	268	47	21.3	248	54	18.3	232	58	16.0

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	95	37	15.7	91	41	14.3	87	44	13.2
4	Full	102	37	15.2	98	41	14.0	94	44	12.9
3	1/2	108	37	16.2	103	41	14.7	99	45	13.5
3	Full	117	37	15.7	111	41	14.3	107	44	13.2
2	1/2	123	38	16.6	117	42	15.1	112	45	13.9
2	Full	133	37	16.2	127	41	14.8	122	45	13.5
1	1/2	141	38	17.2	134	42	15.6	128	46	14.2
1	Full	152	38	16.8	145	42	15.2	139	45	14.0
1/0	1/2	160	38	17.7	153	43	16.0	146	46	14.7
1/0	Full	173	38	17.4	165	42	15.7	158	46	14.3
2/0	1/2	183	39	18.4	174	43	16.6	166	47	15.0
2/0	Full	198	39	18.0	188	43	16.3	180	47	14.8
3/0	1/2	210	39	19.0	198	44	17.1	189	48	15.5
3/0	Full	227	39	18.7	215	44	16.7	205	47	15.2
4/0	1/2	240	40	19.8	226	45	17.6	215	48	15.9
4/0	Full	259	40	19.3	245	44	17.4	234	48	15.7

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	91	40	14.6	86	45	12.9	81	49	11.6
4	Full	99	40	14.2	93	45	12.6	88	49	11.4
3	1/2	104	41	15.0	98	46	13.2	92	50	11.8
3	Full	112	40	14.6	106	45	13.0	100	49	11.6
2	1/2	118	41	15.4	111	46	13.5	105	50	12.1
2	Full	128	41	15.0	120	46	13.3	114	50	11.8
1	1/2	135	42	15.9	126	47	13.9	119	51	12.4
1	Full	146	41	15.6	137	46	13.6	129	50	12.2
1/0	1/2	154	42	16.4	144	47	14.3	135	51	12.6
1/0	Full	167	42	16.0	156	47	14.0	147	51	12.4
2/0	1/2	176	43	16.9	164	48	14.7	154	52	13.0
2/0	Full	190	42	16.6	177	47	14.4	167	51	12.7
3/0	1/2	201	43	17.4	186	49	15.1	175	53	13.3
3/0	Full	217	43	17.2	202	48	14.9	190	52	13.1
4/0	1/2	229	44	18.0	212	49	15.5	199	53	13.5
4/0	Full	248	43	17.7	230	49	15.2	216	53	13.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	91	36	14.1	87	39	13.0	83	42	11.9
4	Full	98	35	13.8	94	39	12.6	90	42	11.6
3	1/2	103	36	14.6	99	40	13.3	95	43	12.2
3	Full	112	36	14.2	107	39	13.0	102	42	11.9
2	1/2	118	36	15.0	112	40	13.6	108	43	12.5
2	Full	127	36	14.6	122	40	13.3	116	43	12.3
1	1/2	135	37	15.5	128	41	14.1	123	44	12.9
1	Full	145	36	15.1	139	40	13.8	133	43	12.6
1/0	1/2	154	37	16.0	146	41	14.4	140	44	13.2
1/0	Full	166	37	15.7	158	41	14.2	151	44	13.0
2/0	1/2	175	38	16.6	167	42	14.9	159	45	13.5
2/0	Full	190	37	16.3	180	41	14.7	172	44	13.3
3/0	1/2	200	38	17.2	190	42	15.4	181	45	14.0
3/0	Full	217	38	16.8	206	42	15.1	196	45	13.8
4/0	1/2	229	38	17.7	217	43	15.9	206	46	14.4
4/0	Full	248	38	17.5	235	42	15.7	224	46	14.2

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	88	39	13.2	82	43	11.6	78	47	10.5
4	Full	95	38	12.9	89	43	11.4	84	46	10.2
3	1/2	100	39	13.5	94	44	11.9	88	47	10.7
3	Full	108	39	13.2	101	43	11.7	96	47	10.5
2	1/2	113	39	13.9	106	44	12.2	100	48	10.9
2	Full	123	39	13.5	115	44	11.9	109	47	10.7
1	1/2	129	40	14.3	121	45	12.5	114	48	11.1
1	Full	140	40	14.0	131	44	12.3	124	48	10.9
1/0	1/2	148	40	14.8	138	45	12.9	130	49	11.4
1/0	Full	160	40	14.4	149	45	12.6	141	48	11.3
2/0	1/2	168	41	15.2	157	46	13.2	147	49	11.7
2/0	Full	182	41	14.9	170	45	13.0	160	49	11.5
3/0	1/2	192	41	15.7	179	46	13.6	167	50	11.9
3/0	Full	208	41	15.5	194	46	13.4	182	50	11.8
4/0	1/2	219	42	16.3	203	47	14.0	190	50	12.3
4/0	Full	237	42	15.9	220	46	13.8	207	50	12.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	82	33	11.1	78	36	10.1	75	39	9.4
4	Full	88	33	10.8	85	36	9.9	81	38	9.2
3	1/2	93	34	11.5	89	37	10.5	85	39	9.6
3	Full	101	33	11.1	96	36	10.2	92	39	9.4
2	1/2	106	34	11.8	101	37	10.7	97	39	9.9
2	Full	115	34	11.5	110	37	10.5	105	39	9.7
1	1/2	121	34	12.2	116	37	11.0	111	40	10.1
1	Full	131	34	11.9	125	37	10.8	120	39	9.9
1/0	1/2	138	35	12.6	132	38	11.4	126	40	10.4
1/0	Full	150	34	12.3	143	37	11.1	136	40	10.2
2/0	1/2	158	35	13.0	150	38	11.7	143	41	10.7
2/0	Full	171	35	12.7	163	38	11.5	155	40	10.5
3/0	1/2	181	35	13.4	171	38	12.1	163	41	11.0
3/0	Full	196	35	13.2	185	38	11.9	177	41	10.8
4/0	1/2	207	36	14.0	195	39	12.5	186	41	11.3
4/0	Full	224	35	13.8	212	39	12.3	202	41	11.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	79	36	10.4	74	39	9.2	70	42	8.2
4	Full	85	36	10.1	80	39	9.0	76	42	8.1
3	1/2	90	36	10.6	84	40	9.4	80	42	8.4
3	Full	97	36	10.4	91	39	9.2	87	42	8.2
2	1/2	102	36	10.9	96	40	9.7	91	43	8.5
2	Full	111	36	10.7	104	40	9.4	98	43	8.4
1	1/2	117	37	11.3	109	40	9.9	103	43	8.8
1	Full	126	36	11.0	118	40	9.7	112	43	8.6
1/0	1/2	133	37	11.6	124	41	10.1	117	44	9.0
1/0	Full	144	37	11.4	135	41	10.0	127	43	8.9
2/0	1/2	152	37	11.9	141	41	10.4	133	44	9.2
2/0	Full	164	37	11.7	153	41	10.2	144	44	9.1
3/0	1/2	173	38	12.4	161	42	10.7	151	45	9.4
3/0	Full	187	38	12.2	175	41	10.6	164	44	9.3
4/0	1/2	197	38	12.7	183	42	11.0	172	45	9.7
4/0	Full	214	38	12.5	199	42	10.8	187	45	9.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	66	30	6.7	63	32	6.3	60	33	5.7
4	Full	71	30	6.6	68	32	6.0	65	33	5.6
3	1/2	75	30	6.9	71	32	6.4	68	34	5.8
3	Full	81	30	6.8	77	32	6.3	74	33	5.7
2	1/2	85	30	7.2	81	32	6.5	78	34	6.0
2	Full	92	30	7.1	88	32	6.4	84	34	5.9
1	1/2	97	31	7.4	93	33	6.7	89	34	6.1
1	Full	105	31	7.3	100	32	6.6	96	34	6.0
1/0	1/2	111	31	7.6	105	33	6.9	101	34	6.4
1/0	Full	120	31	7.5	114	33	6.8	109	34	6.3
2/0	1/2	126	31	7.8	120	33	7.2	115	35	6.5
2/0	Full	137	31	7.7	130	33	7.1	124	34	6.4
3/0	1/2	144	31	8.2	137	33	7.4	131	35	6.7
3/0	Full	156	31	8.1	148	33	7.3	142	35	6.6
4/0	1/2	165	31	8.4	156	33	7.6	149	35	6.8
4/0	Full	179	31	8.3	169	33	7.5	161	35	6.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	63	32	6.3	60	34	5.6	56	35	5.0
4	Full	68	31	6.1	64	34	5.5	61	35	4.9
3	1/2	72	32	6.5	68	34	5.7	64	36	5.1
3	Full	78	32	6.4	73	34	5.6	69	36	5.0
2	1/2	82	32	6.6	77	34	5.8	73	36	5.2
2	Full	89	32	6.5	83	34	5.8	79	36	5.1
1	1/2	93	32	6.8	88	34	6.0	83	36	5.3
1	Full	101	32	6.7	95	34	5.9	90	36	5.2
1/0	1/2	106	32	7.1	100	35	6.1	94	36	5.5
1/0	Full	115	32	6.9	108	35	6.0	102	36	5.5
2/0	1/2	121	33	7.3	113	35	6.4	107	37	5.6
2/0	Full	131	32	7.2	123	35	6.3	116	37	5.6
3/0	1/2	138	33	7.5	129	35	6.5	121	37	5.8
3/0	Full	150	33	7.4	140	35	6.4	131	37	5.7
4/0	1/2	158	33	7.7	147	35	6.7	138	37	5.9
4/0	Full	171	33	7.6	159	35	6.6	149	37	5.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	98	44	23.1	92	49	20.6	88	54	18.4
4	Full	106	43	22.5	100	49	20.1	95	53	18.1
3	1/2	112	44	23.7	105	50	21.0	99	54	18.8
3	Full	120	44	23.2	113	49	20.6	108	54	18.5
2	1/2	127	45	24.4	119	51	21.5	113	55	19.3
2	Full	137	44	23.8	129	50	21.1	122	54	19.0
1	1/2	145	45	25.1	136	51	22.1	128	56	19.8
1	Full	157	45	24.6	147	51	21.7	139	55	19.5
1/0	1/2	165	46	25.9	154	52	22.7	146	56	20.2
1/0	Full	179	46	25.4	167	52	22.3	158	56	19.9
2/0	1/2	188	47	26.8	176	53	23.3	166	57	20.7
2/0	Full	204	46	26.2	191	52	22.9	180	57	20.4
3/0	1/2	215	47	27.7	200	54	24.0	188	58	21.2
3/0	Full	233	47	27.2	217	53	23.6	204	58	20.9
4/0	1/2	245	48	28.6	228	54	24.6	214	59	21.7
4/0	Full	266	48	28.1	247	54	24.3	232	58	21.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	93	49	20.9	86	55	17.8	80	60	15.5
4	Full	101	48	20.5	93	55	17.4	87	59	15.2
3	1/2	106	49	21.4	98	56	18.1	91	61	15.8
3	Full	114	49	20.9	106	55	17.8	99	60	15.5
2	1/2	120	50	21.9	111	56	18.5	103	61	16.0
2	Full	130	49	21.5	120	56	18.2	112	61	15.8
1	1/2	137	50	22.6	126	57	19.0	117	62	16.4
1	Full	148	50	22.1	136	57	18.6	127	61	16.1
1/0	1/2	156	51	23.2	143	58	19.5	132	63	16.7
1/0	Full	169	51	22.7	155	57	19.2	144	62	16.5
2/0	1/2	178	52	23.8	162	59	19.9	150	63	17.0
2/0	Full	192	51	23.4	176	58	19.6	163	63	16.8
3/0	1/2	202	53	24.5	184	59	20.4	170	64	17.3
3/0	Full	219	52	24.1	200	59	20.1	185	64	17.1
4/0	1/2	230	53	25.2	209	60	20.8	193	65	17.7
4/0	Full	250	53	24.8	227	60	20.6	210	65	17.5

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	91	41	19.3	86	45	17.1	81	49	15.4
4	Full	98	40	18.7	93	45	16.7	88	49	15.1
3	1/2	103	41	19.8	97	46	17.5	92	50	15.7
3	Full	112	41	19.3	105	45	17.1	100	49	15.4
2	1/2	118	42	20.3	111	46	17.9	105	50	16.1
2	Full	127	41	19.9	120	46	17.6	113	50	15.8
1	1/2	134	42	21.0	126	47	18.4	119	51	16.5
1	Full	145	42	20.6	136	47	18.1	129	50	16.2
1/0	1/2	153	43	21.6	143	48	19.0	135	51	16.8
1/0	Full	166	42	21.2	155	47	18.5	147	51	16.6
2/0	1/2	175	43	22.3	163	48	19.5	154	52	17.2
2/0	Full	189	43	21.9	177	48	19.2	167	52	17.0
3/0	1/2	199	44	23.0	186	49	20.0	175	53	17.6
3/0	Full	216	43	22.6	201	48	19.7	190	52	17.4
4/0	1/2	227	44	23.7	211	49	20.6	198	53	18.1
4/0	Full	246	44	23.3	229	49	20.3	216	53	17.9

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	86	45	17.4	80	50	14.9	75	54	13.0
4	Full	93	44	17.0	86	50	14.6	81	54	12.8
3	1/2	98	45	17.8	91	51	15.2	84	55	13.2
3	Full	106	45	17.4	98	50	14.9	92	54	13.0
2	1/2	112	46	18.2	103	51	15.5	96	55	13.4
2	Full	121	45	17.9	111	51	15.2	104	55	13.2
1	1/2	127	46	18.8	117	52	15.8	109	56	13.7
1	Full	138	46	18.4	127	51	15.6	118	56	13.5
1/0	1/2	145	47	19.4	133	52	16.2	123	57	14.0
1/0	Full	157	46	19.0	144	52	16.0	134	56	13.8
2/0	1/2	165	47	19.9	151	53	16.6	140	57	14.2
2/0	Full	179	47	19.6	163	53	16.3	152	57	14.1
3/0	1/2	188	48	20.4	171	54	16.9	158	58	14.5
3/0	Full	203	48	20.1	186	53	16.7	172	57	14.4
4/0	1/2	214	49	21.0	194	54	17.4	179	58	14.8
4/0	Full	232	48	20.7	211	54	17.1	195	58	14.6

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	87	39	17.3	82	43	15.4	78	47	13.9
4	Full	94	39	16.9	89	43	15.1	84	46	13.7
3	1/2	99	40	17.8	93	44	15.8	88	47	14.2
3	Full	107	39	17.4	101	43	15.5	96	47	14.0
2	1/2	113	40	18.3	106	44	16.2	100	48	14.5
2	Full	122	40	17.9	115	44	15.9	109	47	14.3
1	1/2	129	40	19.0	121	45	16.6	114	48	14.9
1	Full	139	40	18.5	131	44	16.3	124	48	14.6
1/0	1/2	147	41	19.5	137	45	17.1	129	49	15.2
1/0	Full	158	41	19.1	149	45	16.8	140	48	15.0
2/0	1/2	167	41	20.1	156	46	17.5	147	49	15.6
2/0	Full	181	41	19.7	169	46	17.2	160	49	15.4
3/0	1/2	191	42	20.7	178	46	18.0	167	50	15.9
3/0	Full	206	42	20.4	193	46	17.7	182	50	15.7
4/0	1/2	217	42	21.4	202	47	18.5	190	51	16.3
4/0	Full	236	42	21.1	220	47	18.2	206	50	16.1

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	83	43	15.7	77	48	13.5	71	51	11.7
4	Full	90	42	15.4	83	47	13.2	77	51	11.6
3	1/2	94	43	16.1	87	48	13.7	81	52	12.0
3	Full	102	43	15.7	94	48	13.5	88	51	11.8
2	1/2	107	44	16.5	98	49	14.0	92	52	12.2
2	Full	116	43	16.1	107	48	13.8	100	52	12.0
1	1/2	122	44	16.9	112	49	14.3	104	53	12.4
1	Full	132	44	16.6	121	49	14.1	113	53	12.2
1/0	1/2	139	45	17.4	127	50	14.6	118	53	12.6
1/0	Full	150	44	17.1	138	49	14.4	128	53	12.5
2/0	1/2	158	45	17.9	144	50	15.0	134	54	12.9
2/0	Full	171	45	17.6	157	50	14.8	145	54	12.7
3/0	1/2	180	46	18.4	164	51	15.3	151	55	13.1
3/0	Full	195	45	18.1	178	51	15.1	165	54	13.0
4/0	1/2	205	46	19.0	186	52	15.7	172	55	13.4
4/0	Full	222	46	18.6	202	51	15.5	187	55	13.3

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	79	36	13.7	74	40	12.2	70	42	10.9
4	Full	85	36	13.4	80	39	12.0	76	42	10.7
3	1/2	89	36	14.0	84	40	12.5	80	42	11.1
3	Full	97	36	13.7	91	40	12.2	86	42	11.0
2	1/2	102	37	14.4	96	40	12.8	91	43	11.5
2	Full	110	36	14.1	104	40	12.5	98	43	11.2
1	1/2	116	37	14.9	109	41	13.1	103	43	11.8
1	Full	125	37	14.6	118	40	12.9	112	43	11.6
1/0	1/2	132	37	15.3	124	41	13.5	117	44	12.0
1/0	Full	143	37	15.0	134	41	13.2	127	43	11.9
2/0	1/2	151	38	15.8	141	41	13.8	133	44	12.3
2/0	Full	163	38	15.5	153	41	13.6	144	44	12.2
3/0	1/2	172	38	16.3	160	42	14.2	151	45	12.6
3/0	Full	186	38	16.0	174	42	14.0	164	44	12.4
4/0	1/2	196	39	16.8	183	42	14.6	172	45	12.9
4/0	Full	212	38	16.5	198	42	14.4	186	45	12.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	75	39	12.4	69	43	10.6	65	46	9.2
4	Full	81	39	12.2	75	43	10.4	70	46	9.1
3	1/2	85	39	12.7	78	43	10.8	73	46	9.4
3	Full	92	39	12.5	85	43	10.6	79	46	9.2
2	1/2	97	40	13.0	89	44	11.0	83	47	9.6
2	Full	104	39	12.8	96	43	10.8	90	46	9.4
1	1/2	110	40	13.4	101	44	11.2	94	47	9.7
1	Full	119	40	13.1	110	44	11.1	102	47	9.6
1/0	1/2	125	41	13.7	115	45	11.6	106	47	9.9
1/0	Full	135	40	13.5	124	44	11.4	116	47	9.8
2/0	1/2	142	41	14.1	130	45	11.9	121	48	10.1
2/0	Full	154	41	13.9	141	45	11.7	131	48	10.0
3/0	1/2	162	41	14.5	148	45	12.1	137	48	10.3
3/0	Full	176	41	14.3	161	45	12.0	149	48	10.2
4/0	1/2	184	42	14.9	168	46	12.4	155	49	10.5
4/0	Full	200	42	14.7	183	46	12.3	169	49	10.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	63	32	8.3	59	34	7.4	56	35	6.7
4	Full	68	32	8.1	64	34	7.3	61	35	6.6
3	1/2	72	32	8.5	67	34	7.6	64	36	6.8
3	Full	77	32	8.3	73	34	7.4	69	36	6.7
2	1/2	81	32	8.7	77	34	7.8	73	36	7.0
2	Full	88	32	8.6	83	34	7.6	79	36	6.9
1	1/2	93	32	9.0	87	35	8.0	83	36	7.2
1	Full	100	32	8.8	94	34	7.8	90	36	7.1
1/0	1/2	106	33	9.3	99	35	8.2	94	36	7.3
1/0	Full	114	32	9.1	107	35	8.0	102	36	7.2
2/0	1/2	120	33	9.6	113	35	8.4	106	37	7.5
2/0	Full	131	33	9.4	122	35	8.3	116	37	7.4
3/0	1/2	137	33	9.8	128	35	8.6	121	37	7.7
3/0	Full	149	33	9.7	139	35	8.5	131	37	7.6
4/0	1/2	157	33	10.2	146	36	8.9	137	37	7.9
4/0	Full	170	33	10.0	159	35	8.7	149	37	7.8

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	60	34	7.6	56	36	6.5	52	38	5.7
4	Full	65	33	7.4	60	36	6.4	56	38	5.6
3	1/2	68	34	7.7	63	36	6.6	59	38	5.8
3	Full	74	34	7.6	68	36	6.5	64	38	5.7
2	1/2	77	34	7.9	71	36	6.8	67	38	5.9
2	Full	84	34	7.8	77	36	6.6	72	38	5.8
1	1/2	88	34	8.1	81	37	6.9	75	39	6.0
1	Full	95	34	8.0	88	37	6.8	82	38	5.9
1/0	1/2	100	34	8.3	92	37	7.0	86	39	6.1
1/0	Full	109	34	8.2	100	37	7.0	93	39	6.0
2/0	1/2	114	35	8.6	104	37	7.2	97	39	6.2
2/0	Full	124	35	8.4	113	37	7.1	105	39	6.2
3/0	1/2	130	35	8.8	119	38	7.4	110	39	6.4
3/0	Full	141	35	8.7	129	37	7.3	120	39	6.3
4/0	1/2	148	35	9.0	135	38	7.5	125	40	6.5
4/0	Full	160	35	8.9	146	38	7.5	136	40	6.4

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Aluminum Conductor - Concentric Strand

4	1/2	87	90	64	74
4	Full	94	97	69	80
3	1/2	99	103	73	84
3	Full	107	111	79	91
2	1/2	113	117	84	96
2	Full	122	127	90	104
1	1/2	129	134	95	110
1	Full	140	145	103	119
1/0	1/2	147	153	109	125
1/0	Full	159	166	118	136
2/0	1/2	168	175	125	143
2/0	Full	182	190	135	155
3/0	1/2	192	200	143	164
3/0	Full	208	217	155	178
4/0	1/2	220	229	163	188
4/0	Full	239	249	177	204

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Aluminum Conductor - Concentric Strand

4	1/2	74	76	42	55
4	Full	80	83	45	59
3	1/2	84	87	47	63
3	Full	91	94	51	68
2	1/2	95	99	54	71
2	Full	103	107	59	77
1	1/2	109	114	62	82
1	Full	118	123	67	88
1/0	1/2	124	130	71	93
1/0	Full	135	140	77	101
2/0	1/2	142	148	81	107
2/0	Full	154	161	87	116
3/0	1/2	162	170	92	122
3/0	Full	176	184	100	132
4/0	1/2	186	194	106	140
4/0	Full	201	211	115	152

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Free Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Aluminum Conductor - Concentric Strand

4	1/2	115	140	91	123
4	Full	123	149	97	131
3	1/2	133	161	105	141
3	Full	142	171	112	150
2	1/2	152	185	120	162
2	Full	163	196	128	172
1	1/2	176	213	138	186
1	Full	188	226	148	198
1/0	1/2	203	245	159	213
1/0	Full	217	261	171	227
2/0	1/2	234	282	184	245
2/0	Full	251	300	197	261
3/0	1/2	271	325	212	281
3/0	Full	290	346	227	300
4/0	1/2	313	375	244	323
4/0	Full	336	400	262	345

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Free Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Aluminum Conductor - Concentric Strand

4	1/2	96	120	63	98
4	Full	103	127	67	104
3	1/2	110	137	72	112
3	Full	118	146	77	119
2	1/2	127	158	82	128
2	Full	136	167	88	136
1	1/2	147	182	95	147
1	Full	157	193	101	156
1/0	1/2	169	209	108	168
1/0	Full	181	222	116	179
2/0	1/2	195	240	125	193
2/0	Full	209	256	134	205
3/0	1/2	225	277	143	220
3/0	Full	242	295	154	235
4/0	1/2	261	319	165	253
4/0	Full	280	340	177	270

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Aluminum Conductor - Concentric Strand

4	1/2	89	93	71	81
4	Full	96	100	77	87
3	1/2	101	106	81	93
3	Full	109	115	87	100
2	1/2	116	122	93	106
2	Full	125	131	100	114
1	1/2	133	140	106	122
1	Full	143	151	115	131
1/0	1/2	152	160	122	140
1/0	Full	164	173	132	151
2/0	1/2	174	184	140	160
2/0	Full	189	199	151	173
3/0	1/2	200	212	160	184
3/0	Full	216	229	174	199
4/0	1/2	229	243	184	212
4/0	Full	248	263	199	229

5 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Aluminum Conductor - Concentric Strand

4	1/2	74	78	50	62
4	Full	80	84	54	67
3	1/2	84	89	57	71
3	Full	91	96	62	77
2	1/2	96	102	66	82
2	Full	104	110	71	88
1	1/2	110	117	75	94
1	Full	119	126	82	102
1/0	1/2	126	134	86	108
1/0	Full	137	145	93	117
2/0	1/2	145	154	99	124
2/0	Full	157	166	107	134
3/0	1/2	166	176	114	142
3/0	Full	180	191	123	154
4/0	1/2	190	203	130	163
4/0	Full	206	220	141	177

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	226	56	106.9	203	63	87.2	187	67	73.6
4	Full	235	53	97.2	214	60	80.6	198	64	68.8
3	1/2	258	57	107.8	232	64	87.4	213	68	73.4
3	Full	270	54	98.5	244	61	80.6	225	65	68.8
2	1/2	296	58	108.6	265	65	87.3	243	69	73.0
2	Full	309	56	99.2	280	62	81.1	257	66	68.9
1	1/2	340	60	108.9	304	66	86.8	277	70	72.3
1	Full	356	57	99.8	321	63	81.0	294	67	68.4
1/0	1/2	390	61	109.0	347	67	86.3	316	71	71.6
1/0	Full	408	58	100.3	367	64	80.7	336	68	67.9
2/0	1/2	447	62	108.6	397	68	85.5	361	72	70.7
2/0	Full	469	59	100.3	420	65	80.4	384	69	67.1
3/0	1/2	512	63	108.1	453	69	84.7	411	73	69.9
3/0	Full	539	60	99.8	480	66	79.5	438	70	66.4
4/0	1/2	588	64	107.3	518	70	83.4	469	73	68.3
4/0	Full	618	61	99.4	550	67	78.5	501	71	65.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	213	60	95.5	189	66	75.3	172	70	62.2
4	Full	223	57	87.6	200	64	70.5	183	68	58.7
3	1/2	244	61	95.9	216	67	75.1	195	71	62.0
3	Full	255	58	88.3	228	65	70.5	208	69	58.6
2	1/2	278	62	95.9	246	68	74.6	222	72	61.1
2	Full	292	59	88.5	260	66	70.1	237	70	58.2
1	1/2	319	63	95.9	280	69	73.9	253	73	60.5
1	Full	335	60	88.8	297	67	69.6	270	71	57.4
1/0	1/2	365	64	95.4	320	70	73.2	288	74	59.6
1/0	Full	384	62	88.6	339	68	69.0	307	72	56.6
2/0	1/2	417	65	94.5	364	71	72.1	327	75	58.4
2/0	Full	440	63	88.0	387	69	68.5	350	73	55.9
3/0	1/2	477	67	93.6	415	72	70.9	372	76	57.1
3/0	Full	504	64	87.4	442	70	67.4	399	74	54.7
4/0	1/2	545	68	92.2	473	73	69.7	424	77	55.9
4/0	Full	577	65	86.3	504	71	66.1	454	74	53.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	211	52	90.7	190	57	73.6	175	60	62.2
4	Full	220	49	82.4	200	54	67.9	185	58	58.3
3	1/2	241	52	91.2	217	58	73.8	199	61	62.0
3	Full	252	50	83.2	228	55	68.3	211	59	58.1
2	1/2	277	53	91.8	248	59	73.8	227	62	61.9
2	Full	289	51	84.0	261	56	68.4	240	60	58.2
1	1/2	318	54	92.0	284	59	73.5	259	63	61.3
1	Full	332	52	84.5	300	57	68.4	275	61	57.8
1/0	1/2	364	55	92.0	324	60	73.2	295	64	60.7
1/0	Full	382	53	84.8	343	58	68.2	314	62	57.3
2/0	1/2	418	56	92.0	371	61	72.5	337	64	59.9
2/0	Full	438	54	84.8	392	59	67.8	359	62	56.6
3/0	1/2	479	57	91.5	424	62	71.6	384	65	58.8
3/0	Full	503	55	84.7	449	60	67.4	410	63	56.1
4/0	1/2	549	58	90.6	484	63	70.6	438	66	57.9
4/0	Full	578	56	84.0	514	61	66.4	468	64	55.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	199	55	81.0	177	60	64.0	161	64	52.6
4	Full	208	52	74.0	187	58	59.6	171	61	49.5
3	1/2	228	55	81.1	201	61	63.7	183	64	52.2
3	Full	239	53	74.7	213	59	59.4	194	62	49.7
2	1/2	260	56	81.1	230	62	63.1	208	65	51.6
2	Full	273	54	75.0	243	59	59.4	221	63	49.2
1	1/2	298	57	81.0	262	63	62.5	236	66	51.1
1	Full	313	55	75.1	278	60	58.9	252	64	48.7
1/0	1/2	341	58	80.7	299	63	61.8	269	66	50.2
1/0	Full	359	56	75.0	317	61	58.4	287	65	47.9
2/0	1/2	390	59	80.1	340	64	61.0	306	67	49.4
2/0	Full	411	57	74.7	362	62	57.7	327	65	47.3
3/0	1/2	445	60	79.1	388	65	59.9	348	68	48.5
3/0	Full	471	58	74.0	413	63	57.1	372	66	46.5
4/0	1/2	509	61	78.2	442	66	58.9	396	69	47.1
4/0	Full	539	59	73.3	471	64	55.9	424	67	45.5

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	203	49	82.4	183	54	67.0	168	57	56.5
4	Full	211	47	74.9	192	52	61.8	177	55	53.0
3	1/2	232	50	83.2	209	55	67.1	191	58	56.4
3	Full	242	48	75.5	219	53	62.4	202	56	53.1
2	1/2	266	51	83.6	238	55	67.2	218	59	56.1
2	Full	278	48	76.2	251	53	62.3	231	57	52.9
1	1/2	305	52	83.7	273	56	66.8	249	59	55.8
1	Full	320	49	76.6	288	54	62.5	264	57	52.7
1/0	1/2	350	52	83.7	312	57	66.4	284	60	55.1
1/0	Full	367	50	76.9	329	55	62.2	302	58	52.0
2/0	1/2	401	53	83.7	356	58	66.0	324	61	54.5
2/0	Full	421	51	77.2	377	56	61.7	345	59	51.6
3/0	1/2	460	54	83.3	407	59	65.0	369	62	53.7
3/0	Full	484	52	76.7	431	57	61.3	394	60	50.9
4/0	1/2	528	55	82.4	465	59	64.1	421	62	52.7
4/0	Full	555	53	76.5	494	57	60.5	449	60	50.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	191	52	73.6	170	57	57.8	154	60	47.7
4	Full	200	50	67.5	179	55	54.3	164	58	45.1
3	1/2	219	53	73.8	194	58	57.7	175	61	47.5
3	Full	229	50	67.9	205	55	53.9	187	59	45.0
2	1/2	250	54	73.8	221	58	57.4	200	61	47.1
2	Full	263	51	68.0	234	56	54.1	213	59	44.7
1	1/2	286	54	73.9	252	59	57.0	227	62	46.4
1	Full	301	52	68.4	267	57	53.8	242	60	44.0
1/0	1/2	327	55	73.2	287	60	56.2	258	63	45.6
1/0	Full	345	53	68.2	305	58	53.2	276	61	43.7
2/0	1/2	375	56	72.9	327	61	55.5	294	63	44.7
2/0	Full	395	54	67.8	348	59	52.7	314	62	42.9
3/0	1/2	428	57	71.9	373	61	54.7	334	64	44.0
3/0	Full	452	55	67.1	397	59	52.0	358	62	42.0
4/0	1/2	489	58	71.0	425	62	53.3	380	65	42.8
4/0	Full	518	56	66.4	453	60	51.0	407	63	41.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	184	44	65.7	166	48	53.4	153	51	45.1
4	Full	192	43	60.0	175	46	49.5	161	49	42.5
3	1/2	211	45	66.2	190	49	53.5	174	51	45.0
3	Full	220	43	60.3	200	47	49.7	184	50	42.4
2	1/2	242	46	66.8	217	49	53.7	198	52	45.1
2	Full	253	44	61.1	228	48	50.0	210	50	42.2
1	1/2	278	46	66.8	248	50	53.4	226	53	44.4
1	Full	290	45	61.3	262	48	49.9	240	51	42.0
1/0	1/2	318	47	67.1	283	51	53.2	258	53	44.1
1/0	Full	333	45	61.5	299	49	49.8	274	52	41.9
2/0	1/2	365	48	66.7	324	51	52.7	294	54	43.6
2/0	Full	383	46	61.7	343	50	49.4	313	52	41.1
3/0	1/2	418	48	66.4	370	52	52.0	336	54	43.0
3/0	Full	440	47	61.6	392	50	48.9	358	53	40.6
4/0	1/2	480	49	66.1	423	53	51.3	383	55	42.2
4/0	Full	505	47	61.2	449	51	48.4	408	53	40.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	174	47	58.7	154	50	46.4	140	53	38.1
4	Full	182	45	53.9	163	49	43.4	149	51	36.4
3	1/2	199	47	59.0	176	51	46.3	160	54	38.2
3	Full	208	45	54.3	186	49	43.3	170	52	36.1
2	1/2	227	48	59.0	201	52	45.9	181	54	37.7
2	Full	239	46	54.5	212	50	43.0	193	53	35.7
1	1/2	260	49	58.9	229	52	45.6	207	55	37.3
1	Full	274	47	54.6	243	51	42.8	220	53	35.4
1/0	1/2	298	49	58.8	261	53	45.2	235	55	36.6
1/0	Full	314	48	54.3	277	51	42.6	251	54	35.1
2/0	1/2	341	50	58.1	297	53	44.4	267	56	36.1
2/0	Full	359	48	54.1	316	52	42.2	286	54	34.3
3/0	1/2	389	51	57.5	339	54	43.7	304	56	35.1
3/0	Full	411	49	53.7	361	53	41.3	325	55	33.7
4/0	1/2	445	51	56.9	386	55	42.8	346	57	34.3
4/0	Full	471	50	53.3	412	53	40.9	370	55	33.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	149	37	41.2	135	40	33.3	124	41	28.5
4	Full	156	36	37.2	141	38	31.1	131	40	26.3
3	1/2	171	37	41.6	154	40	33.5	141	42	28.0
3	Full	178	36	37.8	162	39	31.0	149	40	26.3
2	1/2	196	38	41.8	176	40	33.6	161	42	28.3
2	Full	205	37	38.1	185	39	31.1	170	41	26.2
1	1/2	225	38	42.0	201	41	33.4	183	42	27.9
1	Full	236	37	38.5	212	40	31.0	195	41	26.3
1/0	1/2	258	39	41.9	230	41	33.2	209	43	27.5
1/0	Full	270	38	38.5	243	40	30.9	222	42	26.0
2/0	1/2	296	39	41.8	263	41	32.8	239	43	27.1
2/0	Full	310	38	38.6	278	40	31.0	254	42	26.0
3/0	1/2	339	40	41.6	300	42	32.7	272	43	26.8
3/0	Full	356	39	38.5	318	41	30.6	290	42	25.5
4/0	1/2	389	40	41.2	343	42	32.0	310	44	26.2
4/0	Full	409	39	38.3	364	41	30.1	331	43	25.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	141	38	36.8	125	41	28.9	114	43	24.1
4	Full	148	37	33.7	132	40	27.2	121	42	22.8
3	1/2	161	39	36.9	143	41	28.9	129	43	23.8
3	Full	169	38	34.0	151	40	27.2	138	42	22.5
2	1/2	184	39	36.9	163	42	28.7	147	43	23.4
2	Full	193	38	34.0	172	41	27.0	157	42	22.5
1	1/2	211	40	36.9	186	42	28.3	167	44	23.2
1	Full	222	39	34.2	197	41	26.7	179	43	22.0
1/0	1/2	241	40	36.6	211	42	28.3	190	44	23.0
1/0	Full	254	39	33.9	225	42	26.8	203	43	21.9
2/0	1/2	276	41	36.4	241	43	27.8	217	44	22.4
2/0	Full	291	40	33.9	256	42	26.3	232	43	21.6
3/0	1/2	316	41	36.1	275	43	27.2	246	45	22.0
3/0	Full	333	40	33.7	292	42	25.8	264	44	21.0
4/0	1/2	361	41	35.3	313	44	26.8	280	45	21.6
4/0	Full	381	40	33.4	334	43	25.5	300	44	20.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	191	66	108.1	167	72	83.3	151	75	67.8
4	Full	201	63	101.0	178	69	79.0	161	73	65.1
3	1/2	217	67	108.1	190	72	82.8	171	76	67.2
3	Full	230	64	101.2	203	70	78.6	183	74	64.5
2	1/2	248	68	107.8	216	73	82.0	195	76	66.7
2	Full	263	65	101.2	231	71	78.3	209	74	63.8
1	1/2	283	69	107.0	247	74	81.2	222	77	65.6
1	Full	300	66	100.6	263	72	77.5	238	75	63.1
1/0	1/2	323	70	106.1	281	75	80.0	252	78	64.5
1/0	Full	343	67	100.0	300	73	76.5	270	76	62.1
2/0	1/2	369	71	105.1	320	76	78.8	286	78	63.3
2/0	Full	392	68	99.2	342	73	75.5	308	77	61.0
3/0	1/2	421	72	103.4	364	76	77.4	325	79	61.8
3/0	Full	448	69	98.1	390	74	74.2	350	77	59.9
4/0	1/2	481	73	101.8	414	77	75.6	370	80	60.4
4/0	Full	512	70	96.7	444	75	72.9	398	78	58.5

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	176	70	92.3	152	75	68.8	136	78	54.8
4	Full	187	67	87.1	162	73	65.7	146	76	53.0
3	1/2	200	70	91.8	172	75	68.1	154	78	54.0
3	Full	213	68	86.7	185	73	65.1	165	77	52.2
2	1/2	228	71	91.0	196	76	67.2	174	79	53.3
2	Full	242	69	86.4	210	74	64.6	187	77	51.6
1	1/2	260	72	90.0	222	77	66.1	198	80	52.2
1	Full	277	70	85.3	239	75	63.6	213	78	50.6
1/0	1/2	296	73	88.8	253	78	64.8	224	80	50.9
1/0	Full	315	71	84.5	271	76	62.4	241	79	49.6
2/0	1/2	337	74	87.2	287	78	63.5	254	81	49.7
2/0	Full	359	72	83.2	308	77	61.2	274	79	48.5
3/0	1/2	383	75	85.7	326	79	61.8	288	81	48.4
3/0	Full	409	73	81.8	350	77	59.9	311	80	47.2
4/0	1/2	436	76	83.7	370	80	60.1	326	82	46.9
4/0	Full	466	74	80.3	398	78	58.3	353	81	46.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	178	60	91.7	156	64	70.6	141	67	57.3
4	Full	188	57	85.5	166	62	66.9	151	65	54.8
3	1/2	203	60	91.5	178	65	69.9	160	68	57.0
3	Full	215	58	85.5	189	63	66.6	171	66	54.6
2	1/2	232	61	91.3	202	66	69.6	182	68	56.2
2	Full	245	59	85.5	216	64	66.1	195	67	54.2
1	1/2	265	62	90.6	230	66	68.6	207	69	55.3
1	Full	281	60	85.3	246	65	65.6	222	67	53.4
1/0	1/2	302	63	89.9	262	67	67.7	235	70	54.4
1/0	Full	321	61	84.8	280	65	64.8	252	68	52.5
2/0	1/2	345	64	88.8	299	68	66.6	267	70	53.6
2/0	Full	367	62	83.9	320	66	63.8	287	69	51.8
3/0	1/2	394	64	87.6	340	68	65.5	304	71	52.3
3/0	Full	419	62	83.0	364	67	62.8	327	69	50.6
4/0	1/2	449	65	86.0	387	69	64.1	346	71	51.1
4/0	Full	478	63	81.9	415	67	61.5	372	70	49.5

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	165	63	78.1	142	67	58.2	127	70	46.5
4	Full	175	60	73.7	152	65	55.8	136	68	44.9
3	1/2	187	63	77.7	161	68	57.6	144	70	45.9
3	Full	199	61	73.2	172	66	55.2	154	69	44.1
2	1/2	213	64	77.1	183	68	56.8	163	71	44.9
2	Full	227	62	73.0	196	67	54.5	175	69	43.8
1	1/2	243	65	76.1	208	69	55.9	185	71	44.2
1	Full	259	63	72.3	223	67	53.6	199	70	42.8
1/0	1/2	276	66	75.2	236	70	54.9	209	72	43.2
1/0	Full	295	64	71.5	253	68	52.8	225	71	41.9
2/0	1/2	315	66	73.7	268	70	53.6	237	72	42.1
2/0	Full	336	65	70.4	288	69	51.8	256	71	41.1
3/0	1/2	358	67	72.5	304	71	52.3	269	73	41.1
3/0	Full	382	65	69.4	327	69	50.6	290	72	39.9
4/0	1/2	407	68	70.8	345	71	50.9	305	73	39.8
4/0	Full	436	66	67.8	372	70	49.5	329	72	38.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	171	57	83.3	150	61	64.1	136	63	52.4
4	Full	181	54	77.8	160	59	60.7	145	62	49.9
3	1/2	195	57	83.1	171	61	63.6	154	64	51.6
3	Full	206	55	77.7	182	60	60.6	165	62	49.5
2	1/2	223	58	82.9	194	62	63.2	175	65	51.3
2	Full	236	56	77.7	207	60	60.0	187	63	49.3
1	1/2	255	59	82.3	221	63	62.5	199	65	50.3
1	Full	270	57	77.5	236	61	59.5	213	64	48.4
1/0	1/2	290	59	81.6	252	63	61.6	226	66	49.6
1/0	Full	308	58	77.1	269	62	58.9	243	64	47.7
2/0	1/2	332	60	80.6	287	64	60.5	257	66	48.5
2/0	Full	352	58	76.3	307	62	58.2	276	65	46.9
3/0	1/2	378	61	79.6	327	64	59.4	292	67	47.5
3/0	Full	402	59	75.4	350	63	57.2	314	65	46.0
4/0	1/2	432	62	78.2	372	65	58.1	332	67	46.5
4/0	Full	460	60	74.5	399	64	56.0	357	66	45.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho----	----- 90 Rho----	-----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	158	59	70.9	136	63	53.0	122	66	42.1
4	Full	168	57	66.9	146	62	50.5	131	64	40.6
3	1/2	180	60	70.5	155	64	52.5	138	66	41.7
3	Full	191	58	66.6	166	62	50.1	148	65	40.2
2	1/2	205	61	70.1	176	64	51.6	156	67	40.9
2	Full	218	59	66.4	188	63	49.6	168	65	39.7
1	1/2	233	61	69.2	200	65	50.9	177	67	40.0
1	Full	248	60	65.6	214	64	48.9	191	66	38.9
1/0	1/2	266	62	68.3	227	66	49.9	201	68	39.2
1/0	Full	283	60	65.1	243	64	48.0	217	66	38.1
2/0	1/2	302	63	67.1	258	66	48.7	228	68	38.3
2/0	Full	323	61	64.0	277	65	47.2	246	67	37.2
3/0	1/2	344	63	65.7	292	67	47.7	259	68	37.2
3/0	Full	368	62	63.0	314	65	46.0	279	67	36.3
4/0	1/2	391	64	64.3	332	67	46.3	293	69	36.1
4/0	Full	419	62	61.8	357	66	44.9	316	68	35.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	156	50	66.6	137	54	51.1	123	56	41.8
4	Full	164	49	62.0	145	52	48.6	132	54	40.0
3	1/2	178	51	66.6	155	54	51.0	140	56	41.4
3	Full	188	49	62.1	165	53	48.3	150	55	39.6
2	1/2	202	51	66.4	177	55	50.4	159	57	40.9
2	Full	214	50	62.3	188	53	48.1	170	55	39.4
1	1/2	231	52	65.9	201	55	50.0	181	57	40.3
1	Full	245	50	62.0	215	54	47.5	194	56	38.9
1/0	1/2	264	53	65.3	229	56	49.3	205	58	39.7
1/0	Full	280	51	61.6	245	54	47.2	221	56	38.1
2/0	1/2	301	53	64.5	261	56	48.5	234	58	38.8
2/0	Full	320	52	61.0	279	55	46.4	251	57	37.5
3/0	1/2	344	54	63.8	297	57	47.5	265	58	38.0
3/0	Full	366	52	60.4	318	55	45.8	285	57	36.7
4/0	1/2	392	54	62.7	338	57	46.5	302	59	37.0
4/0	Full	418	53	59.4	362	56	44.9	325	58	36.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho----	----- 90 Rho----	-----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	144	52	56.7	124	56	42.4	111	58	33.8
4	Full	153	51	53.6	133	54	40.6	119	56	32.5
3	1/2	164	53	56.4	141	56	42.0	125	58	33.3
3	Full	174	51	53.4	151	55	40.2	135	57	32.1
2	1/2	186	54	55.9	160	57	41.4	142	58	32.8
2	Full	198	52	53.0	171	55	39.7	153	57	31.6
1	1/2	212	54	55.3	182	57	40.6	161	59	32.0
1	Full	226	53	52.5	195	56	39.2	174	58	31.1
1/0	1/2	241	55	54.7	206	57	40.0	183	59	31.5
1/0	Full	257	53	52.0	221	56	38.4	197	58	30.4
2/0	1/2	275	55	53.8	234	58	39.0	207	59	30.6
2/0	Full	293	54	51.3	251	57	37.8	223	59	29.8
3/0	1/2	313	56	52.6	266	58	38.0	235	60	29.9
3/0	Full	334	54	50.4	286	57	37.0	253	59	29.0
4/0	1/2	356	56	51.3	301	59	37.0	266	60	28.9
4/0	Full	380	55	49.3	324	58	35.8	287	59	28.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	126	41	41.5	111	43	31.9	100	44	26.0
4	Full	133	40	38.7	118	42	30.4	107	43	25.1
3	1/2	144	41	41.4	126	43	31.8	113	45	25.8
3	Full	152	40	39.0	134	42	30.3	121	44	24.9
2	1/2	164	42	41.4	143	44	31.6	129	45	25.5
2	Full	174	40	38.8	153	43	30.1	138	44	24.6
1	1/2	188	42	41.1	163	44	31.1	146	45	25.3
1	Full	199	41	38.6	174	43	29.7	157	44	24.2
1/0	1/2	214	42	40.8	186	44	30.7	166	45	24.8
1/0	Full	227	41	38.4	198	43	29.3	179	45	24.0
2/0	1/2	244	43	40.3	211	45	30.4	189	46	24.2
2/0	Full	259	42	38.3	226	44	29.1	203	45	23.5
3/0	1/2	279	43	39.7	240	45	29.7	215	46	23.8
3/0	Full	296	42	37.7	258	44	28.5	231	45	22.9
4/0	1/2	318	43	39.1	274	45	29.1	244	46	23.1
4/0	Full	338	42	37.2	293	44	28.0	263	45	22.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	117	42	35.6	101	44	26.3	90	45	21.1
4	Full	124	41	33.5	107	43	25.4	96	45	20.4
3	1/2	133	43	35.4	114	44	26.1	102	46	20.7
3	Full	141	42	33.3	122	44	25.2	109	45	20.1
2	1/2	151	43	35.1	129	45	25.8	115	46	20.6
2	Full	160	42	33.0	139	44	24.9	124	45	19.7
1	1/2	172	43	34.7	147	45	25.3	131	46	20.0
1	Full	183	42	32.8	158	44	24.5	141	45	19.5
1/0	1/2	196	44	34.1	167	45	24.8	148	46	19.7
1/0	Full	209	43	32.5	179	45	24.0	159	46	19.2
2/0	1/2	223	44	33.7	190	46	24.5	168	47	19.1
2/0	Full	238	43	32.1	204	45	23.5	181	46	18.6
3/0	1/2	253	44	32.9	215	46	23.8	190	47	18.7
3/0	Full	271	43	31.4	231	45	23.1	205	46	18.3
4/0	1/2	288	45	32.1	244	46	23.1	216	47	18.0
4/0	Full	308	44	30.8	263	45	22.4	233	46	17.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	168	71	112.6	145	76	84.2	130	79	67.3
4	Full	179	69	106.5	156	74	80.6	140	77	65.1
3	1/2	191	72	111.8	165	77	83.2	147	79	66.6
3	Full	204	70	106.2	177	75	80.0	159	78	64.5
2	1/2	218	73	111.0	187	77	82.4	167	80	65.6
2	Full	232	71	105.6	201	75	79.3	180	78	63.5
1	1/2	248	74	109.7	213	78	81.0	190	81	64.4
1	Full	265	72	104.5	229	76	78.0	205	79	62.4
1/0	1/2	282	75	108.3	242	79	79.6	215	81	63.0
1/0	Full	302	72	103.4	260	77	77.0	232	80	61.3
2/0	1/2	322	75	106.6	275	79	78.0	245	82	61.6
2/0	Full	344	73	102.0	296	78	75.5	264	80	60.2
3/0	1/2	366	76	104.5	313	80	76.3	278	82	60.1
3/0	Full	392	74	100.4	336	78	73.9	300	81	58.8
4/0	1/2	417	77	102.4	355	81	74.4	315	83	58.5
4/0	Full	447	75	98.5	383	79	72.3	341	81	57.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	153	74	93.8	131	79	67.9	116	81	53.3
4	Full	164	72	89.4	140	77	65.7	125	80	51.9
3	1/2	174	75	92.8	148	79	66.9	131	82	52.4
3	Full	186	73	88.8	159	78	65.0	141	80	51.1
2	1/2	198	76	91.7	168	80	65.9	148	82	51.4
2	Full	212	74	87.8	180	78	63.8	160	81	50.1
1	1/2	225	77	90.1	190	81	64.4	168	83	50.3
1	Full	241	75	86.7	205	79	62.6	181	81	49.0
1/0	1/2	255	77	88.4	215	81	63.0	190	83	48.9
1/0	Full	274	76	85.3	232	80	61.3	205	82	48.0
2/0	1/2	290	78	86.6	244	82	61.4	215	84	47.7
2/0	Full	311	76	83.6	263	80	60.0	233	82	46.8
3/0	1/2	329	79	84.6	277	82	59.8	243	84	46.2
3/0	Full	354	77	81.7	299	81	58.3	263	83	45.3
4/0	1/2	374	79	82.2	314	83	57.9	275	84	44.7
4/0	Full	402	78	79.7	339	81	56.7	298	83	44.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	157	64	95.2	136	68	71.2	121	71	56.9
4	Full	167	62	90.3	145	66	68.2	131	69	55.2
3	1/2	179	65	94.7	154	69	70.3	138	71	56.2
3	Full	190	63	89.9	165	67	67.7	148	70	54.6
2	1/2	203	66	94.0	175	69	69.5	156	72	55.5
2	Full	217	64	89.4	188	68	67.1	168	70	53.7
1	1/2	232	66	92.9	199	70	68.3	177	72	54.5
1	Full	247	64	88.4	214	68	66.1	191	71	53.0
1/0	1/2	264	67	91.5	226	70	67.2	201	72	53.2
1/0	Full	282	65	87.4	243	69	65.1	217	71	52.0
2/0	1/2	300	68	90.0	257	71	65.9	228	73	52.0
2/0	Full	321	66	86.4	276	70	63.9	246	72	50.9
3/0	1/2	342	68	88.5	292	71	64.4	259	73	51.0
3/0	Full	366	67	85.0	314	70	62.7	280	72	49.7
4/0	1/2	390	69	86.5	332	72	62.9	294	74	49.5
4/0	Full	417	67	83.3	357	71	61.2	318	73	48.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	143	67	79.2	122	71	57.4	108	73	45.0
4	Full	153	65	75.6	131	69	55.5	116	71	43.9
3	1/2	163	67	78.6	138	71	56.7	122	73	44.4
3	Full	174	66	75.1	149	70	54.8	132	72	43.3
2	1/2	185	68	77.5	157	71	55.8	138	73	43.4
2	Full	198	66	74.4	169	70	54.0	149	72	42.4
1	1/2	210	69	76.3	178	72	54.5	157	74	42.3
1	Full	225	67	73.3	191	71	53.0	169	73	41.6
1/0	1/2	238	69	74.8	201	72	53.2	177	74	41.3
1/0	Full	256	68	72.0	217	71	52.0	192	73	40.6
2/0	1/2	271	70	73.2	228	73	52.0	201	75	40.2
2/0	Full	291	68	70.7	246	72	50.7	217	74	39.5
3/0	1/2	307	71	71.6	258	73	50.5	227	75	39.2
3/0	Full	330	69	69.2	279	72	49.4	246	74	38.4
4/0	1/2	349	71	69.7	293	74	49.0	257	75	37.9
4/0	Full	376	70	67.4	316	73	48.0	279	74	37.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	151	61	86.7	130	64	64.6	117	66	51.9
4	Full	161	59	82.0	140	63	62.1	125	65	50.2
3	1/2	172	61	86.1	148	65	63.9	132	67	51.1
3	Full	183	59	81.6	159	63	61.5	142	66	49.5
2	1/2	195	62	85.5	168	65	63.3	150	67	50.4
2	Full	208	60	81.1	180	64	60.9	162	66	48.8
1	1/2	223	63	84.4	191	66	62.2	170	68	49.5
1	Full	238	61	80.5	205	64	60.2	184	67	48.0
1/0	1/2	254	63	83.2	217	66	61.1	193	68	48.5
1/0	Full	271	62	79.6	233	65	59.2	208	67	47.3
2/0	1/2	289	64	81.8	247	67	60.0	219	69	47.5
2/0	Full	309	62	78.4	266	66	58.2	237	67	46.1
3/0	1/2	329	64	80.4	280	67	58.5	249	69	46.2
3/0	Full	352	63	77.2	302	66	56.8	269	68	45.1
4/0	1/2	374	65	78.7	319	68	57.1	283	69	44.9
4/0	Full	401	63	75.8	343	67	55.6	306	68	44.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	138	63	72.0	117	66	52.2	104	68	40.9
4	Full	147	61	68.7	126	65	50.5	112	67	40.0
3	1/2	156	64	71.4	133	67	51.6	117	69	40.4
3	Full	167	62	68.2	143	66	50.0	127	68	39.3
2	1/2	178	64	70.5	150	67	50.6	133	69	39.5
2	Full	190	63	67.7	162	66	49.1	143	68	38.7
1	1/2	202	65	69.3	171	68	49.5	150	69	38.6
1	Full	216	63	66.6	184	67	48.3	163	68	37.6
1/0	1/2	229	65	68.0	193	68	48.5	170	70	37.5
1/0	Full	246	64	65.6	208	67	47.3	184	69	36.8
2/0	1/2	260	66	66.6	219	69	47.3	193	70	36.6
2/0	Full	279	65	64.3	237	67	46.1	209	69	35.9
3/0	1/2	295	66	65.1	248	69	46.0	218	70	35.6
3/0	Full	318	65	62.9	268	68	44.9	236	70	34.9
4/0	1/2	335	67	63.3	281	69	44.5	247	71	34.4
4/0	Full	361	66	61.4	304	68	43.7	268	70	33.8

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	137	54	69.3	119	56	51.6	106	58	41.4
4	Full	146	52	65.4	127	55	49.7	114	57	40.0
3	1/2	156	54	68.7	135	57	51.3	120	59	40.9
3	Full	166	53	65.3	144	56	49.2	129	57	39.6
2	1/2	178	55	68.2	153	57	50.6	136	59	40.3
2	Full	189	53	65.1	164	56	48.8	147	58	39.3
1	1/2	202	55	67.4	174	58	49.8	155	59	39.6
1	Full	216	54	64.4	187	57	48.0	167	58	38.4
1/0	1/2	230	56	66.5	197	58	48.9	176	60	38.7
1/0	Full	246	54	63.7	212	57	47.3	189	59	37.8
2/0	1/2	262	56	65.5	224	58	48.0	199	60	38.0
2/0	Full	281	55	62.7	241	57	46.4	215	59	37.0
3/0	1/2	299	57	64.4	255	59	46.8	226	60	37.1
3/0	Full	320	55	61.8	274	58	45.5	244	59	36.2
4/0	1/2	340	57	62.9	290	59	45.7	257	60	36.1
4/0	Full	365	56	60.6	312	58	44.5	277	60	35.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	125	55	57.7	107	58	41.7	94	60	32.8
4	Full	134	54	55.2	115	57	40.3	102	59	32.0
3	1/2	142	56	57.0	121	58	41.2	107	60	32.4
3	Full	152	55	54.6	130	57	39.8	115	59	31.6
2	1/2	161	56	56.3	137	59	40.5	121	60	31.5
2	Full	173	55	54.0	147	58	39.3	130	59	31.0
1	1/2	183	57	55.5	155	59	39.6	137	61	31.0
1	Full	197	56	53.2	167	58	38.6	148	60	30.2
1/0	1/2	208	57	54.4	176	60	38.7	155	61	30.2
1/0	Full	223	56	52.5	189	59	37.8	167	60	29.5
2/0	1/2	237	58	53.2	199	60	37.7	175	61	29.3
2/0	Full	254	57	51.4	215	59	36.8	190	60	28.9
3/0	1/2	269	58	52.0	226	60	36.9	198	61	28.4
3/0	Full	289	57	50.3	244	59	36.0	215	61	28.0
4/0	1/2	305	59	50.7	256	60	35.6	224	62	27.6
4/0	Full	328	58	49.0	276	60	34.8	243	61	27.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	111	43	43.3	96	45	32.3	86	46	25.9
4	Full	118	42	40.9	103	44	30.9	92	45	25.1
3	1/2	127	43	43.1	109	45	32.1	97	46	25.7
3	Full	135	42	40.9	117	44	30.8	105	45	24.9
2	1/2	144	43	42.6	124	45	31.5	110	46	25.1
2	Full	153	43	40.5	133	44	30.5	119	46	24.5
1	1/2	164	44	42.1	141	45	31.2	125	46	24.8
1	Full	175	43	40.1	151	45	30.0	135	46	24.0
1/0	1/2	187	44	41.6	160	46	30.7	142	47	24.2
1/0	Full	200	43	39.7	172	45	29.5	153	46	23.5
2/0	1/2	213	44	40.9	182	46	30.0	161	47	23.6
2/0	Full	227	44	39.3	195	45	29.1	174	46	23.2
3/0	1/2	242	45	40.1	206	46	29.3	183	47	23.2
3/0	Full	259	44	38.6	222	46	28.4	198	46	22.6
4/0	1/2	275	45	39.4	234	46	28.6	208	47	22.5
4/0	Full	295	44	37.9	252	46	27.8	224	47	22.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	101	44	36.2	86	46	26.2	76	47	20.4
4	Full	108	43	34.5	93	45	25.4	82	46	19.9
3	1/2	115	44	35.6	98	46	25.7	86	47	20.1
3	Full	123	44	34.2	105	45	24.9	93	46	19.8
2	1/2	131	45	35.1	111	46	25.3	98	47	19.9
2	Full	140	44	33.8	119	46	24.5	106	47	19.4
1	1/2	149	45	34.7	126	46	24.8	111	47	19.3
1	Full	159	44	33.4	135	46	24.0	120	47	18.8
1/0	1/2	169	45	34.0	142	47	24.2	125	47	18.8
1/0	Full	181	44	32.8	153	46	23.5	135	47	18.5
2/0	1/2	192	45	33.2	161	47	23.6	142	48	18.4
2/0	Full	206	45	32.0	174	46	23.0	153	47	18.0
3/0	1/2	218	46	32.5	183	47	23.0	160	48	17.8
3/0	Full	234	45	31.4	197	47	22.6	174	47	17.6
4/0	1/2	247	46	31.5	207	47	22.3	182	48	17.3
4/0	Full	266	45	30.7	224	47	21.8	197	47	16.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	141	34	15.3	137	38	14.5	133	41	13.7
4	Full	151	34	14.6	146	37	13.8	143	40	13.2
3	1/2	160	35	15.8	155	38	14.8	151	41	14.0
3	Full	172	34	15.1	167	38	14.3	162	41	13.5
2	1/2	183	35	16.2	177	39	15.3	172	42	14.5
2	Full	196	35	15.6	190	38	14.8	185	41	14.0
1	1/2	209	35	16.9	202	39	15.8	196	42	15.0
1	Full	224	35	16.2	217	39	15.3	211	42	14.5
1/0	1/2	239	36	17.5	231	40	16.4	224	43	15.3
1/0	Full	256	35	16.9	248	39	15.8	241	42	14.8
2/0	1/2	273	36	18.2	264	40	16.9	255	44	15.8
2/0	Full	293	36	17.5	284	40	16.4	275	43	15.4
3/0	1/2	312	37	18.8	301	41	17.5	291	44	16.4
3/0	Full	336	36	18.2	324	40	16.9	314	44	15.9
4/0	1/2	357	37	19.6	344	41	18.2	332	45	16.9
4/0	Full	384	37	19.0	371	41	17.5	358	44	16.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	138	37	14.6	132	41	13.5	128	45	12.5
4	Full	148	36	14.2	142	41	13.0	137	45	12.2
3	1/2	157	37	15.1	151	42	14.0	145	46	12.9
3	Full	168	37	14.5	162	41	13.3	156	45	12.5
2	1/2	179	38	15.6	171	42	14.3	165	46	13.2
2	Full	192	37	15.0	184	42	13.8	177	46	12.9
1	1/2	204	38	16.1	195	43	14.8	188	47	13.7
1	Full	219	38	15.6	210	42	14.3	202	46	13.2
1/0	1/2	233	39	16.7	223	43	15.3	214	48	14.0
1/0	Full	250	38	16.1	240	43	14.8	230	47	13.5
2/0	1/2	266	39	17.2	254	44	15.8	243	48	14.3
2/0	Full	286	39	16.7	274	43	15.3	262	48	14.0
3/0	1/2	304	39	17.9	290	45	16.2	277	49	14.8
3/0	Full	327	39	17.4	312	44	15.8	299	48	14.5
4/0	1/2	348	40	18.5	331	45	16.7	316	50	15.3
4/0	Full	374	40	18.0	357	45	16.2	341	49	15.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	130	33	12.7	127	36	12.1	123	38	11.4
4	Full	140	33	12.2	136	35	11.6	132	38	10.9
3	1/2	149	33	13.2	144	36	12.4	140	39	11.7
3	Full	159	33	12.7	155	36	11.9	151	38	11.3
2	1/2	170	33	13.5	164	36	12.7	160	39	12.1
2	Full	182	33	13.0	176	36	12.2	171	39	11.6
1	1/2	194	34	14.0	188	37	13.2	182	40	12.4
1	Full	208	33	13.5	202	36	12.7	196	39	12.1
1/0	1/2	221	34	14.5	214	37	13.7	207	40	12.7
1/0	Full	238	34	14.0	230	37	13.2	223	40	12.4
2/0	1/2	253	34	15.1	244	38	14.0	237	41	13.2
2/0	Full	272	34	14.6	263	37	13.7	255	40	12.9
3/0	1/2	289	35	15.6	279	38	14.5	270	41	13.7
3/0	Full	311	34	15.1	300	38	14.2	291	41	13.2
4/0	1/2	331	35	16.2	319	39	15.1	308	42	14.2
4/0	Full	356	35	15.8	343	38	14.6	332	41	13.7

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	128	35	12.2	123	39	11.3	118	42	10.5
4	Full	137	35	11.7	132	38	10.9	127	41	10.1
3	1/2	145	35	12.5	140	39	11.6	134	42	10.8
3	Full	156	35	12.1	150	39	11.3	144	42	10.5
2	1/2	166	36	13.0	159	39	11.9	153	43	10.9
2	Full	178	35	12.5	171	39	11.6	164	42	10.6
1	1/2	189	36	13.3	181	40	12.2	174	43	11.3
1	Full	203	36	13.0	195	40	11.9	187	43	10.9
1/0	1/2	216	36	13.8	207	40	12.7	198	44	11.6
1/0	Full	232	36	13.3	222	40	12.2	213	43	11.3
2/0	1/2	247	37	14.3	236	41	13.0	225	44	12.1
2/0	Full	265	36	13.8	254	40	12.7	243	44	11.7
3/0	1/2	282	37	14.8	269	41	13.5	257	45	12.4
3/0	Full	303	37	14.5	290	41	13.2	277	44	12.1
4/0	1/2	322	38	15.4	306	42	14.0	293	46	12.7
4/0	Full	347	37	15.0	331	42	13.5	316	45	12.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	125	32	11.6	121	35	10.8	118	37	10.3
4	Full	134	32	11.1	130	34	10.5	127	37	10.0
3	1/2	142	32	11.9	138	35	11.1	134	37	10.6
3	Full	152	32	11.4	148	35	10.8	144	37	10.1
2	1/2	162	33	12.2	157	35	11.4	153	38	10.8
2	Full	174	32	11.7	169	35	11.1	164	37	10.5
1	1/2	185	33	12.7	179	36	11.9	174	38	11.3
1	Full	199	33	12.2	193	35	11.4	187	38	10.8
1/0	1/2	212	33	13.0	205	36	12.2	199	39	11.6
1/0	Full	227	33	12.7	220	36	11.9	214	38	11.3
2/0	1/2	242	33	13.5	234	36	12.7	226	39	11.9
2/0	Full	260	33	13.2	252	36	12.2	244	39	11.6
3/0	1/2	276	34	14.0	267	37	13.0	258	39	12.2
3/0	Full	297	33	13.7	287	36	12.7	278	39	11.9
4/0	1/2	316	34	14.6	305	37	13.5	294	40	12.7
4/0	Full	341	34	14.2	328	37	13.2	318	40	12.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	122	34	11.1	118	37	10.1	113	40	9.5
4	Full	131	34	10.6	126	37	9.8	122	40	9.2
3	1/2	139	34	11.4	134	38	10.5	129	41	9.6
3	Full	149	34	10.9	144	37	10.1	138	40	9.3
2	1/2	159	35	11.7	152	38	10.8	146	41	10.0
2	Full	170	34	11.3	164	38	10.5	157	41	9.6
1	1/2	181	35	12.1	174	39	11.1	167	42	10.3
1	Full	195	35	11.7	187	38	10.8	179	41	10.0
1/0	1/2	207	35	12.5	198	39	11.4	190	42	10.5
1/0	Full	222	35	12.1	213	39	11.1	204	42	10.3
2/0	1/2	236	36	12.9	225	39	11.7	216	43	10.8
2/0	Full	254	35	12.5	243	39	11.4	233	42	10.5
3/0	1/2	270	36	13.3	257	40	12.2	246	43	11.1
3/0	Full	290	36	13.0	277	39	11.9	265	43	10.8
4/0	1/2	308	36	13.8	293	40	12.5	280	44	11.4
4/0	Full	332	36	13.5	316	40	12.2	302	43	11.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	113	31	9.0	109	33	8.5	106	35	8.0
4	Full	121	30	8.7	117	32	8.2	114	34	7.9
3	1/2	128	31	9.3	124	33	8.8	121	35	8.4
3	Full	138	31	9.0	134	33	8.5	130	35	8.0
2	1/2	146	31	9.6	142	33	9.0	138	35	8.5
2	Full	157	31	9.3	152	33	8.7	148	35	8.2
1	1/2	167	31	10.0	162	33	9.3	157	35	8.8
1	Full	179	31	9.6	174	33	9.0	169	35	8.5
1/0	1/2	191	31	10.3	185	34	9.6	179	36	9.0
1/0	Full	205	31	10.0	199	33	9.3	193	35	8.8
2/0	1/2	218	32	10.6	211	34	10.0	204	36	9.3
2/0	Full	234	31	10.3	227	34	9.6	220	36	9.0
3/0	1/2	249	32	11.1	240	34	10.3	232	36	9.6
3/0	Full	268	32	10.8	259	34	10.0	251	36	9.3
4/0	1/2	285	32	11.4	275	35	10.6	265	37	10.0
4/0	Full	307	32	11.1	296	34	10.5	286	37	9.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	110	32	8.7	106	35	8.0	102	37	7.4
4	Full	118	32	8.4	114	34	7.7	110	37	7.2
3	1/2	126	32	9.0	120	35	8.2	116	37	7.6
3	Full	135	32	8.7	130	35	8.0	125	37	7.4
2	1/2	143	33	9.2	137	35	8.5	132	38	7.9
2	Full	154	32	8.8	147	35	8.2	142	37	7.6
1	1/2	163	33	9.5	156	36	8.7	150	38	8.0
1	Full	176	33	9.2	168	35	8.5	162	38	7.9
1/0	1/2	186	33	9.8	178	36	9.0	171	38	8.2
1/0	Full	200	33	9.5	192	36	8.7	184	38	8.0
2/0	1/2	213	33	10.1	203	36	9.3	195	39	8.5
2/0	Full	229	33	9.8	219	36	9.0	210	39	8.4
3/0	1/2	243	34	10.5	231	37	9.5	222	39	8.7
3/0	Full	262	33	10.3	250	36	9.3	239	39	8.5
4/0	1/2	278	34	10.9	264	37	9.8	252	40	9.0
4/0	Full	299	34	10.6	285	37	9.6	272	39	8.8

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	90	29	5.5	87	30	5.1	85	31	5.0
4	Full	97	28	5.3	94	30	5.0	92	31	4.8
3	1/2	103	29	5.6	100	30	5.3	97	31	5.0
3	Full	110	29	5.5	107	30	5.1	104	31	4.8
2	1/2	117	29	5.8	113	30	5.5	110	31	5.1
2	Full	125	29	5.6	122	30	5.3	118	31	5.0
1	1/2	133	29	6.1	129	30	5.6	126	31	5.3
1	Full	143	29	5.8	139	30	5.5	135	31	5.1
1/0	1/2	152	29	6.3	147	30	5.8	143	32	5.5
1/0	Full	164	29	6.1	159	30	5.6	154	31	5.3
2/0	1/2	174	29	6.4	168	31	6.1	163	32	5.6
2/0	Full	187	29	6.3	181	30	6.0	176	32	5.5
3/0	1/2	199	29	6.8	192	31	6.3	186	32	5.8
3/0	Full	214	29	6.6	207	31	6.1	200	32	5.8
4/0	1/2	227	29	6.9	219	31	6.4	212	32	6.1
4/0	Full	245	29	6.8	236	31	6.3	228	32	6.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho----	----- 90 Rho----	-----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	88	29	5.3	85	31	4.8	82	32	4.5
4	Full	95	29	5.1	91	31	4.7	88	32	4.3
3	1/2	100	30	5.5	96	31	5.0	93	33	4.7
3	Full	108	29	5.3	104	31	4.8	100	32	4.5
2	1/2	114	30	5.6	110	31	5.1	105	33	4.8
2	Full	123	30	5.5	118	31	5.0	114	33	4.7
1	1/2	130	30	5.8	125	32	5.3	120	33	5.0
1	Full	140	30	5.6	135	31	5.1	129	33	4.8
1/0	1/2	149	30	6.0	142	32	5.5	137	33	5.0
1/0	Full	160	30	5.8	153	32	5.3	147	33	5.0
2/0	1/2	170	30	6.1	162	32	5.6	155	34	5.1
2/0	Full	183	30	6.0	175	32	5.5	168	33	5.0
3/0	1/2	194	30	6.4	185	32	5.8	177	34	5.3
3/0	Full	209	30	6.3	199	32	5.6	191	34	5.1
4/0	1/2	221	31	6.6	211	32	6.0	201	34	5.5
4/0	Full	239	30	6.4	227	32	5.8	218	34	5.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	134	40	19.7	128	45	18.0	122	49	16.4
4	Full	144	39	19.0	137	44	17.3	132	48	15.9
3	1/2	153	40	20.2	145	45	18.3	139	50	16.8
3	Full	164	40	19.4	156	45	17.7	150	49	16.3
2	1/2	174	41	20.8	165	46	18.9	158	50	17.2
2	Full	187	40	20.0	178	45	18.2	170	49	16.7
1	1/2	198	41	21.5	188	47	19.3	180	51	17.6
1	Full	213	41	20.8	203	46	18.8	194	50	17.2
1/0	1/2	226	42	22.2	214	47	19.9	204	51	18.1
1/0	Full	243	41	21.5	231	47	19.3	220	51	17.6
2/0	1/2	258	42	22.9	244	48	20.5	232	52	18.5
2/0	Full	278	42	22.2	263	47	19.9	251	52	18.1
3/0	1/2	294	43	23.7	278	49	21.0	264	53	19.1
3/0	Full	317	43	23.0	300	48	20.6	285	52	18.7
4/0	1/2	336	44	24.5	317	49	21.7	301	54	19.6
4/0	Full	362	43	23.8	342	49	21.3	325	53	19.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	129	44	18.2	121	50	16.0	114	55	14.3
4	Full	139	43	17.6	130	49	15.6	123	54	13.9
3	1/2	147	45	18.7	137	51	16.4	129	55	14.6
3	Full	158	44	18.1	148	50	15.9	140	55	14.2
2	1/2	167	45	19.2	156	51	16.7	147	56	14.9
2	Full	180	44	18.5	168	50	16.3	158	55	14.4
1	1/2	190	46	19.8	177	52	17.2	167	57	15.2
1	Full	205	45	19.2	191	51	16.7	180	56	14.9
1/0	1/2	217	46	20.4	202	53	17.6	189	57	15.5
1/0	Full	233	46	19.8	218	52	17.2	204	57	15.1
2/0	1/2	247	47	20.9	229	53	18.1	215	58	15.9
2/0	Full	266	46	20.4	248	53	17.6	232	57	15.6
3/0	1/2	281	48	21.6	261	54	18.5	244	59	16.3
3/0	Full	303	47	21.0	282	53	18.1	264	58	15.9
4/0	1/2	320	48	22.3	296	55	19.0	277	60	16.6
4/0	Full	346	48	21.7	320	54	18.7	299	59	16.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	124	38	16.4	119	42	14.9	114	45	13.8
4	Full	133	37	15.8	127	41	14.4	122	44	13.3
3	1/2	141	38	16.8	135	42	15.2	129	46	14.0
3	Full	152	37	16.3	145	42	14.8	139	45	13.6
2	1/2	161	38	17.3	153	43	15.7	147	46	14.3
2	Full	173	38	16.7	165	42	15.2	158	45	14.0
1	1/2	184	39	17.9	175	43	16.2	167	47	14.8
1	Full	198	38	17.3	188	43	15.7	180	46	14.3
1/0	1/2	210	39	18.4	199	44	16.6	189	47	15.1
1/0	Full	225	39	17.9	214	43	16.2	204	47	14.7
2/0	1/2	239	40	19.0	226	44	17.1	216	48	15.5
2/0	Full	257	39	18.5	244	44	16.6	233	47	15.1
3/0	1/2	273	40	19.7	258	45	17.6	245	48	15.9
3/0	Full	294	40	19.1	278	44	17.2	265	48	15.6
4/0	1/2	311	41	20.4	294	45	18.1	279	49	16.4
4/0	Full	336	40	19.8	317	45	17.7	301	48	16.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	120	41	15.2	112	46	13.4	106	50	11.9
4	Full	129	40	14.7	121	45	13.0	114	49	11.6
3	1/2	136	41	15.6	127	46	13.6	120	50	12.2
3	Full	146	41	15.1	137	46	13.3	130	50	11.8
2	1/2	155	42	16.0	145	47	14.0	136	51	12.4
2	Full	166	41	15.5	156	46	13.6	147	50	12.1
1	1/2	176	42	16.5	165	48	14.3	155	51	12.7
1	Full	190	42	16.0	178	47	14.0	167	51	12.4
1/0	1/2	201	43	16.9	187	48	14.7	176	52	13.0
1/0	Full	216	42	16.5	202	47	14.3	190	51	12.7
2/0	1/2	229	43	17.4	213	49	15.1	199	53	13.3
2/0	Full	247	43	16.9	230	48	14.8	216	52	13.0
3/0	1/2	260	44	18.0	242	49	15.5	226	53	13.5
3/0	Full	281	43	17.5	261	49	15.1	245	53	13.3
4/0	1/2	297	44	18.5	275	50	15.9	257	54	13.9
4/0	Full	320	44	18.1	297	49	15.6	278	53	13.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	119	36	14.8	114	40	13.4	109	43	12.4
4	Full	128	36	14.2	122	40	13.1	117	43	12.1
3	1/2	135	37	15.2	129	40	13.8	124	44	12.6
3	Full	145	36	14.7	139	40	13.3	133	43	12.3
2	1/2	154	37	15.6	147	41	14.1	140	44	13.0
2	Full	166	37	15.1	158	40	13.8	151	43	12.6
1	1/2	176	37	16.2	167	41	14.6	160	45	13.3
1	Full	189	37	15.6	180	41	14.1	172	44	13.0
1/0	1/2	201	38	16.6	190	42	15.0	181	45	13.6
1/0	Full	216	37	16.2	205	41	14.6	196	45	13.3
2/0	1/2	229	38	17.2	217	42	15.4	206	46	14.0
2/0	Full	246	38	16.7	234	42	15.0	223	45	13.6
3/0	1/2	261	39	17.7	247	43	15.8	234	46	14.3
3/0	Full	281	38	17.3	266	42	15.5	253	46	14.0
4/0	1/2	298	39	18.3	281	43	16.4	267	47	14.8
4/0	Full	321	39	17.9	303	43	15.9	288	46	14.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	115	39	13.8	108	44	12.1	102	48	10.8
4	Full	123	39	13.3	116	43	11.7	110	47	10.5
3	1/2	130	40	14.1	122	44	12.4	115	48	11.0
3	Full	140	39	13.6	132	44	12.1	124	47	10.7
2	1/2	148	40	14.4	139	45	12.6	130	48	11.3
2	Full	159	40	14.0	149	44	12.3	141	48	10.9
1	1/2	169	41	14.9	158	45	13.0	148	49	11.5
1	Full	182	40	14.4	170	45	12.6	160	48	11.3
1/0	1/2	192	41	15.2	179	46	13.3	168	49	11.7
1/0	Full	207	41	14.9	193	45	13.0	182	49	11.5
2/0	1/2	219	41	15.7	203	46	13.6	191	50	11.9
2/0	Full	236	41	15.4	220	46	13.3	206	50	11.7
3/0	1/2	249	42	16.2	231	47	14.0	216	51	12.3
3/0	Full	269	42	15.8	250	46	13.6	234	50	12.1
4/0	1/2	284	43	16.7	263	47	14.3	246	51	12.5
4/0	Full	307	42	16.3	284	47	14.0	266	51	12.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	107	34	11.7	102	37	10.6	98	39	9.8
4	Full	115	34	11.3	110	37	10.2	106	39	9.4
3	1/2	122	34	11.9	116	37	10.9	111	40	10.0
3	Full	131	34	11.6	125	37	10.6	120	39	9.7
2	1/2	139	34	12.3	132	38	11.1	127	40	10.2
2	Full	149	34	11.9	142	37	10.8	136	40	9.9
1	1/2	159	35	12.7	151	38	11.5	144	40	10.5
1	Full	171	34	12.3	162	38	11.1	155	40	10.2
1/0	1/2	181	35	13.1	171	38	11.8	164	41	10.7
1/0	Full	194	35	12.7	185	38	11.5	177	40	10.5
2/0	1/2	206	35	13.5	195	39	12.2	186	41	11.0
2/0	Full	222	35	13.1	211	38	11.8	201	41	10.8
3/0	1/2	235	36	13.9	222	39	12.5	211	42	11.3
3/0	Full	253	35	13.5	240	39	12.2	228	41	11.0
4/0	1/2	268	36	14.4	253	39	12.9	240	42	11.6
4/0	Full	289	36	14.0	273	39	12.5	260	42	11.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	103	36	10.8	97	40	9.6	92	43	8.5
4	Full	111	36	10.5	104	40	9.2	99	42	8.3
3	1/2	117	37	11.0	110	40	9.8	104	43	8.6
3	Full	126	36	10.7	119	40	9.4	112	43	8.4
2	1/2	134	37	11.4	125	41	9.9	118	44	8.9
2	Full	144	37	11.0	135	40	9.7	127	43	8.6
1	1/2	152	37	11.7	142	41	10.2	134	44	9.1
1	Full	164	37	11.4	153	41	10.0	144	44	8.9
1/0	1/2	173	38	12.1	161	41	10.5	152	44	9.2
1/0	Full	187	37	11.7	174	41	10.2	164	44	9.1
2/0	1/2	197	38	12.4	183	42	10.7	172	45	9.4
2/0	Full	213	38	12.1	198	41	10.5	186	44	9.2
3/0	1/2	225	38	12.7	209	42	11.0	195	45	9.7
3/0	Full	242	38	12.4	225	42	10.8	212	45	9.4
4/0	1/2	256	39	13.2	237	43	11.3	222	46	9.9
4/0	Full	277	39	12.9	256	42	11.0	240	45	9.7

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	86	31	7.1	82	32	6.5	79	34	5.9
4	Full	92	30	6.8	88	32	6.3	85	34	5.8
3	1/2	98	31	7.3	93	33	6.6	89	34	6.1
3	Full	105	31	7.1	100	32	6.5	96	34	5.9
2	1/2	111	31	7.5	106	33	6.8	101	34	6.3
2	Full	120	31	7.3	114	33	6.6	109	34	6.0
1	1/2	127	31	7.7	120	33	6.9	115	34	6.4
1	Full	136	31	7.5	130	33	6.8	124	34	6.3
1/0	1/2	144	31	8.0	137	33	7.2	131	35	6.5
1/0	Full	156	31	7.7	148	33	6.9	141	35	6.4
2/0	1/2	165	31	8.2	156	33	7.4	149	35	6.7
2/0	Full	177	31	8.0	168	33	7.2	161	35	6.6
3/0	1/2	188	32	8.4	177	34	7.6	169	35	6.8
3/0	Full	202	31	8.3	192	33	7.4	183	35	6.7
4/0	1/2	214	32	8.8	202	34	7.8	192	36	7.1
4/0	Full	231	32	8.5	218	34	7.6	208	35	6.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	83	32	6.6	78	34	5.8	73	36	5.2
4	Full	89	32	6.4	84	34	5.7	79	36	5.1
3	1/2	94	32	6.7	88	34	5.9	83	36	5.3
3	Full	101	32	6.6	95	34	5.8	90	36	5.2
2	1/2	107	32	6.9	100	35	6.0	94	36	5.5
2	Full	115	32	6.7	108	34	5.9	102	36	5.3
1	1/2	122	33	7.2	114	35	6.3	107	37	5.6
1	Full	131	32	6.9	123	35	6.0	116	36	5.5
1/0	1/2	138	33	7.3	129	35	6.4	121	37	5.7
1/0	Full	149	33	7.2	139	35	6.3	131	37	5.6
2/0	1/2	158	33	7.5	147	35	6.5	138	37	5.8
2/0	Full	170	33	7.4	159	35	6.4	149	37	5.7
3/0	1/2	179	33	7.7	167	36	6.7	156	37	5.9
3/0	Full	194	33	7.6	180	35	6.6	169	37	5.8
4/0	1/2	204	34	8.0	190	36	6.9	177	38	6.0
4/0	Full	221	33	7.8	205	36	6.7	192	38	5.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	128	45	24.1	121	50	21.3	114	55	19.1
4	Full	138	44	23.3	130	50	20.6	123	54	18.5
3	1/2	146	45	24.7	137	51	21.7	129	55	19.5
3	Full	157	45	23.8	147	50	21.1	139	55	19.0
2	1/2	166	46	25.3	155	52	22.2	147	56	19.8
2	Full	178	45	24.5	167	51	21.6	158	55	19.4
1	1/2	189	46	26.0	177	52	22.8	166	57	20.3
1	Full	203	46	25.3	191	52	22.2	180	56	19.8
1/0	1/2	215	47	26.9	201	53	23.3	189	57	20.7
1/0	Full	232	46	26.0	217	52	22.8	204	57	20.3
2/0	1/2	245	48	27.6	228	54	23.9	214	58	21.2
2/0	Full	264	47	26.9	246	53	23.4	232	57	20.7
3/0	1/2	279	48	28.4	259	54	24.5	243	59	21.6
3/0	Full	301	48	27.7	280	54	24.0	263	58	21.2
4/0	1/2	318	49	29.3	295	55	25.2	276	60	22.1
4/0	Full	343	48	28.6	319	55	24.6	299	59	21.7

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Copper Conductor - Concentric Strand

4	1/2	122	50	21.7	112	56	18.3	104	61	15.9
4	Full	131	49	21.0	121	55	17.8	113	60	15.6
3	1/2	138	50	22.2	127	57	18.7	118	62	16.2
3	Full	149	49	21.5	137	56	18.2	127	61	15.8
2	1/2	157	51	22.7	144	57	19.1	133	62	16.4
2	Full	169	50	22.0	155	57	18.6	144	61	16.1
1	1/2	178	51	23.3	163	58	19.5	151	63	16.7
1	Full	192	51	22.6	176	57	19.1	164	62	16.4
1/0	1/2	203	52	23.8	185	59	19.9	171	64	17.0
1/0	Full	219	51	23.2	200	58	19.5	186	63	16.7
2/0	1/2	231	53	24.4	210	60	20.3	194	64	17.3
2/0	Full	249	52	23.9	227	59	19.9	210	64	17.0
3/0	1/2	262	53	25.1	238	60	20.8	220	65	17.6
3/0	Full	283	53	24.5	258	60	20.4	238	64	17.3
4/0	1/2	298	54	25.8	270	61	21.2	249	66	17.9
4/0	Full	323	54	25.2	293	60	20.9	270	65	17.7

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	119	41	20.1	112	46	17.7	106	50	15.9
4	Full	128	41	19.5	120	46	17.2	114	49	15.5
3	1/2	135	42	20.6	127	47	18.1	120	50	16.2
3	Full	145	41	19.9	137	46	17.6	130	50	15.8
2	1/2	154	42	21.1	144	47	18.5	136	51	16.5
2	Full	165	42	20.5	155	47	18.0	147	50	16.1
1	1/2	175	43	21.7	164	48	19.1	155	52	16.9
1	Full	189	42	21.1	177	47	18.5	167	51	16.5
1/0	1/2	199	43	22.3	186	48	19.5	175	52	17.3
1/0	Full	215	43	21.7	201	48	19.1	190	52	16.9
2/0	1/2	227	44	23.0	211	49	20.0	199	53	17.6
2/0	Full	245	43	22.4	228	48	19.5	215	52	17.3
3/0	1/2	259	44	23.6	240	50	20.5	226	53	18.0
3/0	Full	279	44	23.0	260	49	20.1	244	53	17.7
4/0	1/2	295	45	24.4	273	50	21.0	256	54	18.4
4/0	Full	318	45	23.8	296	50	20.6	278	54	18.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Copper Conductor - Concentric Strand

4	1/2	113	46	18.1	104	51	15.4	97	55	13.3
4	Full	122	45	17.5	112	50	15.0	105	55	13.0
3	1/2	128	46	18.4	118	52	15.6	110	56	13.6
3	Full	138	45	17.9	127	51	15.3	118	55	13.3
2	1/2	146	46	19.0	134	52	15.9	124	56	13.8
2	Full	157	46	18.4	144	51	15.6	134	56	13.5
1	1/2	166	47	19.5	152	53	16.3	141	57	14.0
1	Full	179	46	19.0	164	52	15.9	152	56	13.8
1/0	1/2	188	48	19.9	172	53	16.6	159	57	14.3
1/0	Full	203	47	19.5	186	53	16.3	172	57	14.0
2/0	1/2	214	48	20.4	195	54	17.0	180	58	14.5
2/0	Full	231	48	20.0	211	53	16.6	195	57	14.3
3/0	1/2	243	49	20.9	221	55	17.3	204	58	14.8
3/0	Full	263	48	20.5	239	54	17.0	221	58	14.5
4/0	1/2	277	49	21.5	251	55	17.7	231	59	15.0
4/0	Full	299	49	21.1	272	55	17.4	251	59	14.8

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	114	40	18.1	107	44	16.0	101	48	14.4
4	Full	122	39	17.5	115	44	15.6	109	47	14.0
3	1/2	129	40	18.5	122	45	16.4	115	48	14.7
3	Full	139	40	17.9	131	44	15.9	124	47	14.3
2	1/2	147	41	19.1	138	45	16.7	130	48	14.9
2	Full	158	40	18.4	149	45	16.3	141	48	14.6
1	1/2	168	41	19.6	157	46	17.1	148	49	15.3
1	Full	181	41	19.1	169	45	16.7	160	48	14.9
1/0	1/2	191	42	20.2	178	46	17.5	168	50	15.6
1/0	Full	206	41	19.6	192	46	17.1	182	49	15.3
2/0	1/2	217	42	20.7	202	47	18.0	191	50	15.9
2/0	Full	234	42	20.2	219	46	17.6	206	50	15.6
3/0	1/2	247	43	21.3	230	47	18.4	216	51	16.3
3/0	Full	267	42	20.8	249	47	18.0	234	50	16.0
4/0	1/2	282	43	22.0	262	48	19.0	245	51	16.7
4/0	Full	304	43	21.5	283	47	18.5	266	51	16.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Copper Conductor - Concentric Strand

4	1/2	108	44	16.3	100	49	13.9	93	52	12.1
4	Full	116	43	15.8	107	48	13.5	100	52	11.8
3	1/2	123	44	16.7	113	49	14.1	105	53	12.3
3	Full	132	43	16.2	122	48	13.8	114	52	12.0
2	1/2	139	44	17.1	128	50	14.4	119	53	12.5
2	Full	150	44	16.6	138	49	14.1	129	53	12.2
1	1/2	159	45	17.5	145	50	14.7	135	54	12.7
1	Full	171	44	17.1	157	50	14.4	146	53	12.5
1/0	1/2	180	45	17.9	165	51	15.0	152	54	12.9
1/0	Full	194	45	17.5	178	50	14.7	165	54	12.7
2/0	1/2	205	46	18.4	187	51	15.3	173	55	13.1
2/0	Full	221	45	17.9	202	51	15.0	187	54	12.9
3/0	1/2	233	46	18.8	212	52	15.7	195	55	13.4
3/0	Full	252	46	18.4	229	51	15.4	212	55	13.2
4/0	1/2	265	47	19.4	240	52	16.0	221	56	13.6
4/0	Full	286	47	19.0	260	52	15.7	240	55	13.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	103	37	14.3	97	40	12.7	92	43	11.4
4	Full	110	36	13.8	104	40	12.3	99	42	11.0
3	1/2	117	37	14.6	110	41	12.9	104	43	11.6
3	Full	126	37	14.2	118	40	12.6	112	43	11.2
2	1/2	133	37	15.0	124	41	13.2	118	44	11.8
2	Full	143	37	14.6	134	40	12.9	127	43	11.6
1	1/2	151	38	15.4	141	41	13.5	133	44	12.1
1	Full	163	37	15.0	153	41	13.2	144	44	11.8
1/0	1/2	172	38	15.8	161	42	13.9	151	44	12.3
1/0	Full	185	38	15.4	174	41	13.5	164	44	12.1
2/0	1/2	196	38	16.3	183	42	14.2	172	45	12.6
2/0	Full	211	38	15.9	197	42	13.9	186	44	12.4
3/0	1/2	223	39	16.8	207	43	14.6	195	45	12.9
3/0	Full	241	39	16.4	224	42	14.3	211	45	12.7
4/0	1/2	254	39	17.3	236	43	14.9	221	46	13.2
4/0	Full	274	39	16.9	255	43	14.6	240	45	13.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Copper Conductor - Concentric Strand

4	1/2	98	40	12.9	90	44	10.9	84	47	9.5
4	Full	105	39	12.5	97	43	10.6	91	46	9.3
3	1/2	111	40	13.2	102	44	11.1	95	47	9.6
3	Full	119	40	12.8	110	44	10.8	103	47	9.4
2	1/2	126	40	13.5	115	44	11.4	107	47	9.8
2	Full	136	40	13.1	125	44	11.1	116	47	9.6
1	1/2	143	41	13.8	131	45	11.7	122	48	10.0
1	Full	154	40	13.5	142	44	11.4	132	47	9.8
1/0	1/2	162	41	14.2	149	45	11.9	138	48	10.1
1/0	Full	175	41	13.8	161	45	11.7	149	48	10.0
2/0	1/2	185	42	14.5	169	46	12.1	156	49	10.3
2/0	Full	199	41	14.2	182	45	11.9	169	48	10.2
3/0	1/2	210	42	14.9	191	46	12.4	176	49	10.5
3/0	Full	227	42	14.6	207	46	12.2	191	49	10.4
4/0	1/2	239	42	15.3	217	47	12.7	200	49	10.7
4/0	Full	258	42	15.0	235	46	12.5	217	49	10.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	82	32	8.7	77	34	7.7	73	36	7.0
4	Full	88	32	8.4	83	34	7.5	79	36	6.8
3	1/2	93	32	8.9	88	35	7.9	83	36	7.1
3	Full	101	32	8.6	95	34	7.7	90	36	6.9
2	1/2	106	33	9.1	100	35	8.0	94	36	7.2
2	Full	114	32	8.9	107	35	7.8	102	36	7.1
1	1/2	121	33	9.4	113	35	8.2	107	37	7.4
1	Full	130	33	9.1	122	35	8.0	115	36	7.2
1/0	1/2	137	33	9.6	128	35	8.4	121	37	7.5
1/0	Full	148	33	9.4	139	35	8.2	131	37	7.4
2/0	1/2	156	33	9.9	146	36	8.6	137	37	7.7
2/0	Full	169	33	9.7	158	35	8.5	149	37	7.5
3/0	1/2	178	34	10.2	166	36	8.9	156	38	7.8
3/0	Full	192	33	9.9	179	36	8.7	169	37	7.7
4/0	1/2	203	34	10.5	188	36	9.1	177	38	8.0
4/0	Full	219	34	10.3	204	36	8.9	191	38	7.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Copper Conductor - Concentric Strand

4	1/2	78	34	7.9	72	37	6.7	67	38	5.9
4	Full	84	34	7.7	78	36	6.6	73	38	5.7
3	1/2	89	34	8.0	82	37	6.8	76	39	5.9
3	Full	96	34	7.8	88	36	6.7	82	38	5.8
2	1/2	101	34	8.2	92	37	7.0	86	39	6.0
2	Full	108	34	8.0	100	37	6.8	93	39	5.9
1	1/2	114	35	8.4	105	37	7.1	97	39	6.2
1	Full	123	34	8.2	113	37	7.0	105	39	6.1
1/0	1/2	130	35	8.6	119	37	7.2	110	39	6.3
1/0	Full	140	35	8.4	129	37	7.1	119	39	6.2
2/0	1/2	148	35	8.8	135	38	7.4	125	40	6.4
2/0	Full	160	35	8.6	146	38	7.3	135	39	6.3
3/0	1/2	168	35	9.1	153	38	7.6	141	40	6.5
3/0	Full	181	35	8.9	166	38	7.4	153	40	6.4
4/0	1/2	191	36	9.3	173	38	7.7	160	40	6.6
4/0	Full	206	36	9.1	188	38	7.6	174	40	6.5

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Copper Conductor - Concentric Strand

4	1/2	115	119	85	97
4	Full	123	128	91	104
3	1/2	130	135	96	111
3	Full	140	145	103	119
2	1/2	148	154	110	126
2	Full	160	166	118	135
1	1/2	169	176	125	144
1	Full	182	189	135	155
1/0	1/2	193	201	143	164
1/0	Full	208	216	154	177
2/0	1/2	220	230	163	188
2/0	Full	238	247	176	202
3/0	1/2	251	262	186	214
3/0	Full	271	283	201	231
4/0	1/2	287	300	213	245
4/0	Full	310	323	230	265

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Copper Conductor - Concentric Strand

4	1/2	97	101	55	72
4	Full	104	108	59	78
3	1/2	110	115	62	82
3	Full	118	123	67	88
2	1/2	125	131	71	94
2	Full	135	140	76	101
1	1/2	143	149	81	107
1	Full	154	161	87	115
1/0	1/2	163	170	92	122
1/0	Full	176	183	99	132
2/0	1/2	186	194	105	139
2/0	Full	200	209	113	150
3/0	1/2	212	222	120	159
3/0	Full	229	239	129	172
4/0	1/2	242	254	137	182
4/0	Full	261	274	148	196

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Free Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Copper Conductor - Concentric Strand

4	1/2	152	179	119	155
4	Full	161	188	126	163
3	1/2	174	205	136	178
3	Full	185	215	144	186
2	1/2	200	235	156	203
2	Full	212	247	165	214
1	1/2	231	271	180	233
1	Full	244	285	190	246
1/0	1/2	265	311	206	268
1/0	Full	282	328	219	282
2/0	1/2	306	358	237	307
2/0	Full	325	377	252	324
3/0	1/2	352	412	273	353
3/0	Full	374	435	290	372
4/0	1/2	407	474	315	405
4/0	Full	433	501	335	428

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Free Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Copper Conductor - Concentric Strand

4	1/2	127	152	81	122
4	Full	135	160	86	128
3	1/2	146	175	93	140
3	Full	155	184	98	147
2	1/2	167	200	106	160
2	Full	178	211	112	168
1	1/2	193	231	122	183
1	Full	205	243	129	193
1/0	1/2	221	265	139	209
1/0	Full	236	279	148	221
2/0	1/2	255	305	160	240
2/0	Full	272	322	170	253
3/0	1/2	294	350	183	274
3/0	Full	313	370	195	290
4/0	1/2	339	404	211	314
4/0	Full	362	427	224	333

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
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90°C - Copper Conductor - Concentric Strand

4	1/2	118	124	94	108
4	Full	126	132	101	115
3	1/2	134	141	108	123
3	Full	144	151	115	132
2	1/2	153	161	123	141
2	Full	164	173	132	151
1	1/2	175	185	140	161
1	Full	188	198	151	173
1/0	1/2	200	212	161	184
1/0	Full	215	227	173	198
2/0	1/2	229	242	184	211
2/0	Full	246	260	198	227
3/0	1/2	262	277	210	242
3/0	Full	282	298	226	260
4/0	1/2	299	318	240	277
4/0	Full	322	342	259	298

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Copper Conductor - Concentric Strand

4	1/2	98	103	67	83
4	Full	105	111	72	89
3	1/2	112	118	76	95
3	Full	120	127	82	102
2	1/2	127	135	87	109
2	Full	137	145	94	117
1	1/2	146	154	100	124
1	Full	157	166	107	134
1/0	1/2	166	177	114	142
1/0	Full	179	190	123	153
2/0	1/2	190	202	130	163
2/0	Full	205	217	140	175
3/0	1/2	217	232	149	187
3/0	Full	234	249	161	201
4/0	1/2	249	265	170	214
4/0	Full	268	286	184	231

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	176	56	107.3	158	63	87.2	146	67	73.6
4	Full	183	53	97.2	167	60	80.6	154	64	68.8
3	1/2	201	57	107.8	181	64	87.4	166	68	73.4
3	Full	210	54	98.5	190	61	80.6	176	65	68.8
2	1/2	231	58	108.6	207	65	87.3	189	69	73.0
2	Full	241	56	99.2	218	62	81.1	200	66	68.9
1	1/2	265	60	108.9	237	66	86.8	216	70	72.3
1	Full	277	57	99.8	250	63	81.0	229	67	68.4
1/0	1/2	304	61	109.0	270	67	86.3	246	71	71.6
1/0	Full	318	58	100.3	286	64	80.7	262	68	67.9
2/0	1/2	348	62	108.6	309	68	85.5	281	72	70.7
2/0	Full	366	59	100.3	327	65	80.4	299	69	67.1
3/0	1/2	399	63	108.1	353	69	84.7	321	73	69.9
3/0	Full	420	60	99.8	374	66	79.5	342	70	66.4
4/0	1/2	458	64	107.3	404	70	83.4	366	73	68.3
4/0	Full	482	61	99.4	429	67	78.5	390	71	65.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho----	----- 90 Rho----	-----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	166	60	95.5	147	66	75.3	134	70	62.2
4	Full	174	57	87.6	156	64	70.5	142	68	58.7
3	1/2	190	61	95.9	168	67	75.1	152	71	62.0
3	Full	199	58	88.3	178	65	70.5	162	69	58.6
2	1/2	217	62	95.9	191	68	74.6	173	72	61.1
2	Full	228	59	88.5	203	66	70.1	184	70	58.2
1	1/2	248	63	95.9	218	69	73.9	197	73	60.5
1	Full	261	60	88.8	232	67	69.6	210	71	57.4
1/0	1/2	284	64	95.4	249	70	73.2	224	74	59.6
1/0	Full	299	62	88.6	264	68	69.0	239	72	56.6
2/0	1/2	325	65	94.5	284	71	72.1	255	75	58.4
2/0	Full	343	63	88.0	302	69	68.5	273	73	55.9
3/0	1/2	371	67	93.6	323	72	70.9	290	76	57.1
3/0	Full	392	64	87.4	344	70	67.4	311	74	54.7
4/0	1/2	425	68	92.2	369	73	69.7	330	77	55.9
4/0	Full	449	65	86.3	393	71	66.1	354	75	53.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	164	52	90.7	148	57	73.6	136	60	62.2
4	Full	171	49	82.4	156	54	67.9	144	58	58.3
3	1/2	188	52	91.2	169	58	73.8	155	61	62.0
3	Full	196	50	83.2	178	55	68.3	164	59	58.1
2	1/2	216	53	91.8	193	59	73.8	177	62	61.9
2	Full	225	51	84.0	204	56	68.4	187	60	58.2
1	1/2	248	54	92.0	221	59	73.5	202	63	61.3
1	Full	259	52	84.5	233	57	68.4	214	61	57.8
1/0	1/2	284	55	92.0	253	60	73.2	230	64	60.7
1/0	Full	297	53	84.8	267	58	68.2	245	62	57.3
2/0	1/2	326	56	92.0	289	61	72.5	263	64	59.9
2/0	Full	342	54	84.8	306	59	67.8	280	62	56.6
3/0	1/2	373	57	91.5	330	62	71.6	300	65	58.8
3/0	Full	392	55	84.7	350	60	67.4	319	63	56.1
4/0	1/2	428	58	90.6	377	63	70.6	342	66	57.9
4/0	Full	451	56	84.0	401	61	66.4	365	64	55.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	155	55	81.0	138	60	64.0	125	64	52.6
4	Full	162	52	74.0	145	58	59.6	133	61	49.5
3	1/2	177	55	81.1	157	61	63.7	142	64	52.2
3	Full	186	53	74.7	166	59	59.4	151	62	49.7
2	1/2	203	56	81.1	179	62	63.1	162	65	51.6
2	Full	213	54	75.0	189	59	59.4	172	63	49.2
1	1/2	232	57	81.0	204	63	62.5	184	66	51.1
1	Full	244	55	75.1	217	60	58.9	196	64	48.7
1/0	1/2	266	58	80.7	233	63	61.8	210	66	50.2
1/0	Full	280	56	75.0	247	61	58.4	224	65	47.9
2/0	1/2	304	59	80.1	265	64	61.0	238	67	49.4
2/0	Full	320	57	74.7	282	62	57.7	255	65	47.3
3/0	1/2	347	60	79.1	302	65	60.2	271	68	48.5
3/0	Full	367	58	74.0	322	63	57.1	290	66	46.5
4/0	1/2	397	61	78.2	345	66	58.9	309	69	47.1
4/0	Full	420	59	73.3	367	64	55.9	331	67	45.5

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	158	49	82.4	142	54	67.0	131	57	56.5
4	Full	164	47	74.9	150	52	61.8	138	55	53.0
3	1/2	181	50	83.2	163	55	67.1	149	58	56.4
3	Full	189	48	75.5	171	53	62.4	158	56	53.1
2	1/2	207	51	83.6	186	55	67.2	170	59	56.1
2	Full	216	48	76.2	196	53	62.3	180	57	52.9
1	1/2	238	52	83.7	213	56	66.8	194	59	55.8
1	Full	249	49	76.6	224	54	62.5	206	57	52.7
1/0	1/2	273	52	83.7	243	57	66.4	221	60	55.1
1/0	Full	286	50	76.9	257	55	62.2	235	58	52.0
2/0	1/2	313	53	83.7	278	58	66.0	253	61	54.5
2/0	Full	328	51	77.2	294	56	61.7	269	59	51.6
3/0	1/2	359	54	83.3	317	59	65.0	288	62	53.7
3/0	Full	377	52	76.7	336	57	61.3	307	60	50.9
4/0	1/2	411	55	82.4	363	59	64.1	329	62	52.7
4/0	Full	433	53	76.5	385	57	60.5	351	61	50.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	149	52	73.6	132	57	57.8	120	60	47.7
4	Full	156	50	67.5	140	55	54.3	128	58	45.1
3	1/2	170	53	73.8	151	58	57.7	137	61	47.5
3	Full	179	50	67.9	160	55	53.9	145	59	45.0
2	1/2	195	54	73.8	172	58	57.4	156	61	47.1
2	Full	205	51	68.0	182	56	54.1	166	59	44.7
1	1/2	223	54	73.9	196	59	57.0	177	62	46.4
1	Full	235	52	68.4	208	57	53.8	189	60	44.0
1/0	1/2	255	55	73.5	224	60	56.2	201	63	45.6
1/0	Full	269	53	68.2	238	58	53.2	215	61	43.7
2/0	1/2	292	56	72.9	255	61	55.5	229	63	44.7
2/0	Full	308	54	67.8	271	59	52.7	245	62	42.9
3/0	1/2	334	57	71.9	291	61	54.7	261	64	44.0
3/0	Full	353	55	67.1	309	59	52.0	279	62	42.0
4/0	1/2	382	58	71.0	331	62	53.6	297	65	42.8
4/0	Full	404	56	66.4	353	60	51.0	318	63	41.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	144	44	65.7	129	48	53.4	119	51	45.1
4	Full	150	43	60.0	136	46	49.5	126	49	42.5
3	1/2	164	45	66.2	148	49	53.5	136	51	45.0
3	Full	172	43	60.3	156	47	49.7	143	50	42.4
2	1/2	188	46	66.8	169	49	53.7	155	52	45.1
2	Full	197	44	61.1	178	48	50.0	164	50	42.2
1	1/2	216	46	66.8	193	50	53.4	176	53	44.4
1	Full	226	45	61.3	204	48	49.9	187	51	42.0
1/0	1/2	248	47	67.1	221	51	53.2	201	53	44.1
1/0	Full	260	45	61.5	233	49	49.8	214	52	41.9
2/0	1/2	285	48	66.7	253	51	52.7	230	54	43.6
2/0	Full	299	46	61.7	267	50	49.4	244	52	41.1
3/0	1/2	326	48	66.4	289	52	52.0	262	54	43.0
3/0	Full	343	47	61.6	306	50	48.9	279	53	40.6
4/0	1/2	374	49	66.1	330	53	51.3	299	55	42.2
4/0	Full	394	47	61.2	350	51	48.4	319	53	40.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	136	47	58.7	120	50	46.4	109	53	38.1
4	Full	142	45	53.9	127	49	43.4	116	51	36.4
3	1/2	155	47	59.0	137	51	46.3	124	54	38.2
3	Full	163	45	54.3	145	49	43.3	132	52	36.1
2	1/2	177	48	59.0	156	52	45.9	141	54	37.7
2	Full	186	46	54.5	166	50	43.0	151	53	35.7
1	1/2	203	49	58.9	178	52	45.6	161	55	37.3
1	Full	213	47	54.6	189	51	42.8	172	53	35.4
1/0	1/2	232	49	58.8	203	53	45.2	183	55	36.6
1/0	Full	244	48	54.3	216	51	42.6	196	54	35.1
2/0	1/2	266	50	58.1	232	54	44.4	208	56	36.1
2/0	Full	280	48	54.1	247	52	42.2	223	54	34.3
3/0	1/2	304	51	57.5	264	54	43.7	237	56	35.1
3/0	Full	321	49	53.7	281	53	41.3	254	55	33.7
4/0	1/2	347	51	56.9	301	55	42.8	270	57	34.3
4/0	Full	367	50	53.3	321	53	40.9	289	55	33.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	117	37	41.2	105	40	33.3	96	41	28.5
4	Full	121	36	37.2	110	38	31.1	102	40	26.3
3	1/2	133	37	41.6	120	40	33.5	110	42	28.0
3	Full	139	36	37.8	126	39	31.0	116	40	26.3
2	1/2	153	38	41.8	137	40	33.6	125	42	28.3
2	Full	160	37	38.1	144	39	31.1	133	41	26.2
1	1/2	176	38	42.0	157	41	33.4	143	42	27.9
1	Full	184	37	38.5	165	40	31.0	152	41	26.3
1/0	1/2	201	39	41.9	179	41	33.2	163	43	27.5
1/0	Full	211	38	38.5	189	40	30.9	173	42	26.0
2/0	1/2	231	39	41.8	205	41	32.8	186	43	27.1
2/0	Full	242	38	38.6	217	40	31.0	198	42	26.0
3/0	1/2	265	40	41.6	234	42	32.7	212	43	26.8
3/0	Full	278	39	38.5	248	41	30.6	226	42	25.5
4/0	1/2	303	40	41.2	268	42	32.0	242	44	26.2
4/0	Full	319	39	38.3	284	41	30.1	258	43	25.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - One Single Phase Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	110	38	36.8	98	41	28.9	89	43	24.1
4	Full	115	37	33.7	103	40	27.2	94	42	22.8
3	1/2	126	39	36.9	111	41	28.9	101	43	23.8
3	Full	132	38	34.0	118	40	27.2	107	42	22.5
2	1/2	144	39	36.9	127	42	28.7	115	43	23.4
2	Full	151	38	34.0	134	41	27.0	122	42	22.5
1	1/2	165	40	36.9	145	42	28.3	131	44	23.2
1	Full	173	39	34.2	154	41	26.7	139	43	22.0
1/0	1/2	188	40	36.6	165	42	28.3	149	44	23.0
1/0	Full	198	39	33.9	175	42	26.8	159	43	21.9
2/0	1/2	215	41	36.4	188	43	27.8	169	44	22.4
2/0	Full	227	40	33.9	200	42	26.3	181	43	21.6
3/0	1/2	246	41	36.1	214	43	27.2	192	45	22.0
3/0	Full	260	40	33.7	228	42	25.8	206	44	21.0
4/0	1/2	282	41	35.3	244	44	26.8	219	45	21.6
4/0	Full	298	40	33.4	260	43	25.5	234	44	20.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	149	66	108.1	130	72	83.3	118	75	67.8
4	Full	157	63	101.0	139	69	79.0	126	73	65.1
3	1/2	169	67	108.1	148	72	82.8	134	76	67.2
3	Full	179	64	101.2	158	70	78.6	143	74	64.5
2	1/2	193	68	107.8	169	73	82.0	152	76	66.7
2	Full	204	65	101.2	180	71	78.3	163	74	63.8
1	1/2	221	69	107.0	192	74	81.2	173	77	65.6
1	Full	234	66	100.6	205	72	77.5	185	75	63.1
1/0	1/2	252	70	106.1	219	75	80.0	196	78	64.5
1/0	Full	267	67	100.0	234	73	76.5	211	76	62.1
2/0	1/2	288	71	105.1	249	76	78.8	223	78	63.3
2/0	Full	306	68	99.2	267	73	75.5	240	77	61.0
3/0	1/2	328	72	103.4	284	76	77.4	254	79	61.8
3/0	Full	349	69	98.1	304	74	74.2	273	77	59.9
4/0	1/2	375	73	101.8	323	77	75.6	289	80	60.4
4/0	Full	400	70	96.7	347	75	72.9	311	78	58.5

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho----	----- 90 Rho----	-----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	137	70	92.3	118	75	68.8	106	78	54.8
4	Full	146	67	87.1	127	73	65.7	113	76	53.0
3	1/2	156	70	91.8	134	75	68.1	120	78	54.0
3	Full	166	68	86.7	144	73	65.1	129	77	52.2
2	1/2	178	71	91.0	152	76	67.2	136	79	53.3
2	Full	189	69	86.4	163	74	64.6	146	77	51.6
1	1/2	202	72	90.0	173	77	66.1	154	80	52.2
1	Full	216	70	85.3	186	75	63.6	166	78	50.6
1/0	1/2	230	73	88.8	197	78	64.8	175	80	50.9
1/0	Full	246	71	84.5	211	76	62.4	188	79	49.6
2/0	1/2	262	74	87.2	224	78	63.5	198	81	49.7
2/0	Full	280	72	83.2	240	77	61.2	214	79	48.5
3/0	1/2	299	75	85.7	254	79	61.8	224	81	48.4
3/0	Full	319	73	81.8	273	77	59.9	242	80	47.2
4/0	1/2	340	76	83.7	288	80	60.1	255	82	46.9
4/0	Full	364	74	80.3	310	78	58.5	275	81	46.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	139	60	91.7	122	64	70.6	110	67	57.3
4	Full	147	57	85.5	130	62	66.9	117	65	54.8
3	1/2	158	60	91.5	138	65	69.9	125	68	57.0
3	Full	167	58	85.5	148	63	66.6	134	66	54.6
2	1/2	181	61	91.3	158	66	69.6	142	68	56.2
2	Full	191	59	85.5	168	64	66.1	152	67	54.2
1	1/2	206	62	90.6	180	66	68.6	161	69	55.3
1	Full	219	60	85.3	192	65	65.6	173	67	53.4
1/0	1/2	236	63	89.9	204	67	67.7	183	70	54.4
1/0	Full	250	61	84.8	218	65	64.8	197	68	52.5
2/0	1/2	269	64	88.8	233	68	66.6	208	70	53.6
2/0	Full	286	62	83.9	249	66	63.8	224	69	51.8
3/0	1/2	307	64	87.6	265	68	65.5	237	71	52.3
3/0	Full	327	62	83.0	284	67	62.8	255	69	50.6
4/0	1/2	350	65	86.0	302	69	64.1	270	71	51.1
4/0	Full	373	63	81.9	324	67	61.5	290	70	49.5

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	128	63	78.1	111	67	58.2	99	70	46.5
4	Full	136	60	73.7	118	65	55.8	106	68	44.9
3	1/2	146	63	77.7	126	68	57.6	112	70	45.9
3	Full	155	61	73.2	134	66	55.2	120	69	44.1
2	1/2	166	64	77.1	143	68	56.8	127	71	44.9
2	Full	177	62	73.0	153	67	54.5	136	69	43.8
1	1/2	189	65	76.1	162	69	55.9	144	71	44.2
1	Full	201	63	72.3	174	67	53.6	155	70	42.8
1/0	1/2	215	66	75.2	184	70	54.9	163	72	43.2
1/0	Full	230	64	71.5	197	68	52.8	176	71	41.9
2/0	1/2	245	66	74.0	209	70	53.6	185	72	42.1
2/0	Full	262	65	70.4	224	69	51.8	200	71	41.1
3/0	1/2	279	67	72.5	237	71	52.3	210	73	41.1
3/0	Full	298	65	69.4	255	69	50.6	226	72	39.9
4/0	1/2	318	68	70.8	269	71	50.9	238	73	39.8
4/0	Full	340	66	67.8	290	70	49.5	257	72	38.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	133	57	83.3	117	61	64.1	106	63	52.4
4	Full	141	54	77.8	125	59	60.7	113	62	49.9
3	1/2	152	57	83.1	133	61	63.6	120	64	51.6
3	Full	161	55	77.7	142	60	60.6	128	62	49.5
2	1/2	174	58	82.9	151	62	63.2	136	65	51.3
2	Full	184	56	77.7	162	60	60.0	146	63	49.3
1	1/2	198	59	82.3	173	63	62.5	155	65	50.3
1	Full	210	57	77.5	184	61	59.5	166	64	48.4
1/0	1/2	226	59	81.6	196	63	61.6	176	66	49.6
1/0	Full	240	58	77.1	210	62	58.9	189	64	47.7
2/0	1/2	258	60	80.9	224	64	60.5	200	66	48.5
2/0	Full	275	58	76.3	239	62	58.2	215	65	46.9
3/0	1/2	295	61	79.6	255	65	59.4	228	67	47.5
3/0	Full	314	59	75.4	273	63	57.2	245	65	46.0
4/0	1/2	337	62	78.2	290	65	58.1	259	67	46.5
4/0	Full	359	60	74.5	311	64	56.0	279	66	45.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	123	59	70.9	106	63	53.0	95	66	42.1
4	Full	131	57	66.9	114	62	50.5	102	64	40.6
3	1/2	140	60	70.5	121	64	52.5	108	66	41.7
3	Full	149	58	66.6	129	62	50.1	116	65	40.2
2	1/2	160	61	70.1	137	64	51.6	122	67	40.9
2	Full	170	59	66.4	147	63	49.6	131	65	39.7
1	1/2	182	61	69.2	156	65	50.9	138	67	40.0
1	Full	194	60	65.9	167	64	48.9	149	66	38.9
1/0	1/2	207	62	68.3	177	66	49.9	157	68	39.2
1/0	Full	221	60	65.1	190	64	48.0	169	66	38.1
2/0	1/2	236	63	67.1	201	66	48.7	178	68	38.3
2/0	Full	252	61	64.0	216	65	47.2	192	67	37.2
3/0	1/2	268	63	66.0	228	67	47.7	202	68	37.2
3/0	Full	287	62	63.0	245	65	46.0	218	67	36.3
4/0	1/2	305	64	64.3	259	67	46.3	229	69	36.1
4/0	Full	327	62	61.8	279	66	44.9	247	68	35.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	121	50	66.6	106	54	51.1	96	56	41.8
4	Full	128	49	62.0	113	52	48.6	103	54	40.0
3	1/2	138	51	66.6	121	54	51.0	109	56	41.4
3	Full	146	49	62.1	129	53	48.3	117	55	39.6
2	1/2	158	51	66.4	138	55	50.4	124	57	40.9
2	Full	167	50	62.3	147	53	48.1	133	55	39.4
1	1/2	180	52	65.9	157	55	50.0	141	57	40.3
1	Full	191	50	62.0	168	54	47.5	151	56	38.9
1/0	1/2	206	53	65.3	179	56	49.3	160	58	39.7
1/0	Full	218	51	61.6	191	54	47.2	172	56	38.1
2/0	1/2	235	53	64.5	203	56	48.5	182	58	38.8
2/0	Full	250	52	61.0	218	55	46.4	196	57	37.5
3/0	1/2	268	54	63.8	232	57	47.5	207	58	38.0
3/0	Full	285	52	60.4	248	55	45.8	223	57	36.7
4/0	1/2	306	54	62.7	264	57	46.5	236	59	37.0
4/0	Full	326	53	59.4	283	56	44.9	254	58	36.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	112	52	56.7	97	56	42.4	86	58	33.8
4	Full	119	51	53.6	103	54	40.6	93	56	32.5
3	1/2	128	53	56.4	110	56	42.0	98	58	33.3
3	Full	135	51	53.4	117	55	40.2	105	57	32.1
2	1/2	145	54	55.9	125	57	41.4	111	58	32.8
2	Full	154	52	53.0	133	55	39.7	119	57	31.6
1	1/2	165	54	55.3	142	57	40.6	126	59	32.0
1	Full	176	53	52.5	152	56	39.2	135	58	31.1
1/0	1/2	188	55	54.7	161	57	40.0	143	59	31.5
1/0	Full	201	53	52.0	172	56	38.4	154	58	30.4
2/0	1/2	214	55	53.8	183	58	39.0	162	59	30.6
2/0	Full	229	54	51.3	196	57	37.8	174	59	29.8
3/0	1/2	244	56	52.6	207	58	38.0	183	60	29.9
3/0	Full	261	54	50.4	223	57	37.0	198	59	29.2
4/0	1/2	278	56	51.6	235	59	37.0	208	60	28.9
4/0	Full	297	55	49.3	253	58	35.8	224	59	28.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	98	41	41.5	86	43	31.9	78	44	26.0
4	Full	104	40	38.7	92	42	30.4	83	43	25.1
3	1/2	112	41	41.4	98	43	31.8	88	45	25.8
3	Full	119	40	39.0	105	42	30.3	95	44	24.9
2	1/2	128	42	41.4	112	44	31.6	100	45	25.5
2	Full	135	40	38.8	119	43	30.1	108	44	24.6
1	1/2	146	42	41.1	127	44	31.1	114	45	25.3
1	Full	155	41	38.6	136	43	29.7	123	44	24.2
1/0	1/2	167	42	40.8	145	44	30.7	130	45	24.8
1/0	Full	177	41	38.4	155	43	29.3	139	45	24.0
2/0	1/2	191	43	40.3	165	45	30.4	148	46	24.2
2/0	Full	203	42	38.3	176	44	29.1	159	45	23.5
3/0	1/2	218	43	39.7	188	45	29.7	168	46	23.8
3/0	Full	231	42	37.7	201	44	28.5	180	45	23.1
4/0	1/2	248	43	39.1	214	45	29.1	191	46	23.1
4/0	Full	265	42	37.2	229	44	28.0	205	45	22.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Two Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	91	42	35.6	78	44	26.3	70	45	21.1
4	Full	96	41	33.5	84	43	25.4	75	45	20.4
3	1/2	103	43	35.4	89	44	26.1	79	46	20.7
3	Full	110	42	33.3	95	44	25.2	85	45	20.1
2	1/2	118	43	35.1	101	45	25.8	90	46	20.6
2	Full	125	42	33.0	108	44	24.9	97	45	19.7
1	1/2	134	43	34.7	115	45	25.3	102	46	20.0
1	Full	143	42	32.8	123	44	24.5	110	45	19.5
1/0	1/2	153	44	34.1	130	45	24.8	116	46	19.7
1/0	Full	163	43	32.5	140	45	24.0	124	46	19.2
2/0	1/2	174	44	33.7	148	46	24.5	131	47	19.1
2/0	Full	186	43	32.1	159	45	23.5	141	46	18.6
3/0	1/2	198	44	32.9	168	46	23.8	149	47	18.7
3/0	Full	211	43	31.4	181	45	23.1	160	46	18.3
4/0	1/2	225	45	32.1	191	46	23.1	168	47	18.0
4/0	Full	241	44	30.8	205	45	22.4	182	46	17.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	131	71	112.6	113	76	84.2	101	79	67.3
4	Full	139	69	106.5	121	74	80.6	109	77	65.1
3	1/2	149	72	111.8	128	77	83.2	115	79	66.6
3	Full	159	70	106.2	138	75	80.0	124	78	64.5
2	1/2	170	73	111.0	146	77	82.4	130	80	65.6
2	Full	181	71	105.6	157	75	79.3	140	78	63.5
1	1/2	193	74	109.7	166	78	81.0	148	81	64.4
1	Full	206	72	104.5	178	76	78.0	159	79	62.4
1/0	1/2	220	75	108.3	189	79	79.6	168	81	63.0
1/0	Full	235	72	103.4	203	77	77.0	181	80	61.3
2/0	1/2	251	75	106.6	214	79	78.0	191	82	61.6
2/0	Full	268	73	102.0	231	78	75.5	206	80	60.2
3/0	1/2	285	76	104.5	244	80	76.3	216	82	60.3
3/0	Full	306	74	100.4	262	78	73.9	234	81	58.8
4/0	1/2	325	77	102.4	277	81	74.4	246	83	58.5
4/0	Full	349	75	98.5	299	79	72.3	266	81	57.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	119	74	93.8	102	79	67.9	90	81	53.3
4	Full	128	72	89.4	109	77	65.7	97	80	51.9
3	1/2	136	75	92.8	115	79	66.9	102	82	52.4
3	Full	145	73	88.8	124	78	65.0	110	80	51.1
2	1/2	154	76	91.7	130	80	65.9	115	82	51.4
2	Full	165	74	87.8	141	78	63.8	124	81	50.1
1	1/2	175	77	90.1	148	81	64.4	131	83	50.3
1	Full	188	75	86.7	160	79	62.6	141	81	49.0
1/0	1/2	199	77	88.4	168	81	63.0	148	83	48.9
1/0	Full	213	76	85.3	181	80	61.3	160	82	48.0
2/0	1/2	226	78	86.6	190	82	61.4	167	84	47.7
2/0	Full	243	76	83.6	205	80	60.0	181	82	46.8
3/0	1/2	257	79	84.6	216	82	59.8	190	84	46.2
3/0	Full	276	77	81.7	233	81	58.3	205	83	45.3
4/0	1/2	291	79	82.2	245	83	57.9	215	84	44.7
4/0	Full	314	78	79.7	264	81	56.7	233	83	44.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	122	64	95.2	106	68	71.2	95	71	56.9
4	Full	130	62	90.3	113	66	68.2	102	69	55.2
3	1/2	139	65	94.7	120	69	70.3	107	71	56.2
3	Full	148	63	89.9	129	67	67.7	115	70	54.6
2	1/2	158	66	94.0	136	69	69.5	122	72	55.5
2	Full	169	64	89.4	146	68	67.1	131	70	53.7
1	1/2	181	66	92.9	155	70	68.3	138	72	54.5
1	Full	193	64	88.4	167	68	66.1	149	71	53.0
1/0	1/2	206	67	91.5	176	70	67.2	157	72	53.2
1/0	Full	220	65	87.4	189	69	65.1	169	71	52.0
2/0	1/2	234	68	90.2	200	71	65.9	178	73	52.3
2/0	Full	251	66	86.4	215	70	63.9	192	72	50.9
3/0	1/2	267	68	88.5	228	71	64.4	202	73	51.0
3/0	Full	286	67	85.0	245	70	62.7	218	72	49.7
4/0	1/2	304	69	86.5	259	72	62.9	230	74	49.5
4/0	Full	326	67	83.3	279	71	61.2	248	73	48.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	112	67	79.2	95	71	57.4	84	73	45.0
4	Full	119	65	75.6	102	69	55.5	91	71	43.9
3	1/2	127	67	78.6	108	71	56.7	95	73	44.4
3	Full	136	66	75.1	116	70	54.8	103	72	43.3
2	1/2	144	68	77.5	122	71	55.8	108	73	43.4
2	Full	154	66	74.4	131	70	54.0	116	72	42.4
1	1/2	164	69	76.3	138	72	54.5	122	74	42.3
1	Full	175	67	73.3	149	71	53.0	132	73	41.6
1/0	1/2	186	69	74.8	157	72	53.2	138	74	41.3
1/0	Full	199	68	72.0	169	71	52.0	149	73	40.6
2/0	1/2	211	70	73.2	178	73	52.0	156	75	40.2
2/0	Full	227	68	70.7	192	72	50.7	169	74	39.5
3/0	1/2	240	71	71.6	201	73	50.5	177	75	39.2
3/0	Full	258	69	69.2	218	72	49.4	192	74	38.4
4/0	1/2	272	71	69.7	228	74	49.0	201	75	37.9
4/0	Full	293	70	67.4	247	73	48.0	217	74	37.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	118	61	86.7	102	64	64.6	91	66	51.9
4	Full	125	59	82.0	109	63	62.1	98	65	50.2
3	1/2	134	61	86.1	115	65	64.2	103	67	51.1
3	Full	143	59	81.6	124	63	61.5	111	66	49.5
2	1/2	152	62	85.5	131	65	63.3	117	67	50.4
2	Full	162	60	81.1	141	64	60.9	126	66	48.8
1	1/2	174	63	84.4	149	66	62.2	133	68	49.5
1	Full	185	61	80.5	160	64	60.2	143	67	48.0
1/0	1/2	198	63	83.2	169	66	61.1	151	68	48.5
1/0	Full	211	62	79.6	182	65	59.2	163	67	47.3
2/0	1/2	225	64	81.8	192	67	60.0	171	69	47.5
2/0	Full	241	62	78.4	207	66	58.2	185	67	46.1
3/0	1/2	256	64	80.4	219	67	58.5	194	69	46.2
3/0	Full	275	63	77.2	236	66	56.8	210	68	45.1
4/0	1/2	292	65	78.7	249	68	57.1	221	69	45.1
4/0	Full	313	63	75.8	268	67	55.6	238	68	44.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	107	63	72.0	91	66	52.2	81	68	40.9
4	Full	115	61	68.7	98	65	50.5	87	67	40.0
3	1/2	122	64	71.4	103	67	51.6	91	69	40.4
3	Full	130	62	68.2	111	66	50.0	99	68	39.3
2	1/2	138	64	70.5	117	67	50.6	103	69	39.5
2	Full	148	63	67.7	126	66	49.1	112	68	38.7
1	1/2	157	65	69.3	133	68	49.5	117	69	38.6
1	Full	169	63	66.6	143	67	48.3	127	68	37.6
1/0	1/2	179	65	68.0	151	68	48.5	133	70	37.5
1/0	Full	192	64	65.6	163	67	47.3	144	69	36.8
2/0	1/2	203	66	66.6	171	69	47.3	150	70	36.6
2/0	Full	218	65	64.3	184	67	46.1	163	69	35.9
3/0	1/2	230	66	65.1	194	69	46.0	170	70	35.6
3/0	Full	248	65	62.9	209	68	44.9	184	70	34.9
4/0	1/2	262	67	63.3	220	69	44.5	193	71	34.4
4/0	Full	282	66	61.4	237	68	43.7	209	70	33.8

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	107	54	69.3	92	56	51.6	83	58	41.4
4	Full	114	52	65.4	99	55	49.7	89	57	40.0
3	1/2	122	54	68.7	105	57	51.3	94	59	40.9
3	Full	130	53	65.3	112	56	49.2	101	57	39.6
2	1/2	138	55	68.2	119	57	50.6	106	59	40.3
2	Full	148	53	65.1	128	56	48.8	114	58	39.3
1	1/2	158	55	67.4	136	58	49.8	121	59	39.6
1	Full	168	54	64.4	146	57	48.0	130	58	38.4
1/0	1/2	180	56	66.5	154	58	48.9	137	60	38.7
1/0	Full	192	54	63.7	165	57	47.3	148	59	37.8
2/0	1/2	205	56	65.5	175	58	48.0	156	60	38.0
2/0	Full	219	55	62.7	188	57	46.4	168	59	37.0
3/0	1/2	233	57	64.4	199	59	46.8	177	60	37.1
3/0	Full	250	55	61.8	214	58	45.5	191	59	36.2
4/0	1/2	266	57	63.1	226	59	45.7	201	60	36.1
4/0	Full	285	56	60.6	244	58	44.5	217	60	35.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	98	55	57.7	83	58	41.7	73	60	32.8
4	Full	104	54	55.2	89	57	40.3	79	59	32.0
3	1/2	111	56	57.0	94	58	41.2	83	60	32.4
3	Full	118	55	54.6	101	57	39.8	90	59	31.6
2	1/2	126	56	56.3	107	59	40.5	94	60	31.5
2	Full	135	55	54.0	115	58	39.3	102	59	31.0
1	1/2	143	57	55.5	121	59	39.6	107	61	31.0
1	Full	153	56	53.2	130	58	38.6	115	60	30.2
1/0	1/2	162	57	54.4	137	60	38.7	121	61	30.2
1/0	Full	174	56	52.5	148	59	37.8	130	60	29.5
2/0	1/2	184	58	53.2	155	60	37.7	137	61	29.3
2/0	Full	198	57	51.4	168	59	36.8	148	60	28.9
3/0	1/2	210	58	52.0	176	60	36.9	155	61	28.4
3/0	Full	225	57	50.3	190	59	36.0	168	61	28.0
4/0	1/2	238	59	50.7	200	60	35.6	175	62	27.6
4/0	Full	256	58	49.0	216	60	34.8	190	61	27.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	87	43	43.3	75	45	32.3	67	46	25.9
4	Full	92	42	40.9	80	44	30.9	72	45	25.1
3	1/2	99	43	43.1	85	45	32.1	76	46	25.7
3	Full	105	42	40.9	91	44	30.8	82	45	24.9
2	1/2	112	43	42.6	97	45	31.5	86	46	25.1
2	Full	120	43	40.5	104	44	30.5	93	46	24.5
1	1/2	128	44	42.1	110	45	31.2	98	46	24.8
1	Full	137	43	40.1	118	45	30.0	105	46	24.0
1/0	1/2	146	44	41.6	125	46	30.7	111	47	24.2
1/0	Full	156	43	39.7	134	45	29.5	120	46	23.5
2/0	1/2	166	44	40.9	142	46	30.0	126	47	23.6
2/0	Full	178	44	39.3	152	45	29.1	136	46	23.2
3/0	1/2	189	45	40.1	161	46	29.3	143	47	23.2
3/0	Full	202	44	38.6	173	46	28.4	154	46	22.6
4/0	1/2	215	45	39.4	183	46	28.6	162	47	22.5
4/0	Full	231	44	37.9	197	46	27.8	175	47	22.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Direct Buried - Three Single Phase Cables in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	79	44	36.2	67	46	26.2	60	47	20.4
4	Full	85	43	34.5	72	45	25.4	64	46	19.9
3	1/2	90	44	35.6	76	46	25.7	67	47	20.1
3	Full	96	44	34.2	82	45	24.9	73	46	19.8
2	1/2	102	45	35.1	86	46	25.3	76	47	19.9
2	Full	109	44	33.8	93	46	24.5	82	47	19.4
1	1/2	116	45	34.7	98	46	24.8	86	47	19.3
1	Full	124	44	33.4	106	46	24.0	93	47	18.8
1/0	1/2	132	45	34.0	111	47	24.2	98	47	18.8
1/0	Full	141	44	32.8	120	46	23.5	106	47	18.5
2/0	1/2	150	45	33.2	126	47	23.6	111	48	18.4
2/0	Full	161	45	32.0	136	46	23.0	120	47	18.0
3/0	1/2	170	46	32.5	143	47	23.0	125	48	17.8
3/0	Full	183	45	31.4	154	47	22.6	136	47	17.6
4/0	1/2	193	46	31.7	162	47	22.3	142	48	17.3
4/0	Full	208	45	30.7	175	47	21.8	154	47	16.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	110	34	15.3	106	38	14.5	103	41	13.7
4	Full	117	34	14.6	114	37	13.8	111	40	13.2
3	1/2	125	35	15.8	121	38	14.8	118	41	14.0
3	Full	134	34	15.1	130	38	14.3	126	41	13.5
2	1/2	142	35	16.2	138	39	15.3	134	42	14.5
2	Full	153	35	15.6	148	38	14.8	144	41	14.0
1	1/2	163	35	16.9	158	39	15.8	153	42	15.0
1	Full	175	35	16.2	169	39	15.3	164	42	14.5
1/0	1/2	186	36	17.5	180	40	16.4	174	43	15.3
1/0	Full	200	35	16.9	193	39	15.8	188	42	14.8
2/0	1/2	213	36	18.2	205	40	16.9	199	44	15.8
2/0	Full	229	36	17.5	221	40	16.4	214	43	15.4
3/0	1/2	243	37	18.8	235	41	17.5	227	44	16.4
3/0	Full	262	36	18.2	252	40	16.9	244	44	15.9
4/0	1/2	279	37	19.6	268	41	18.2	259	45	16.9
4/0	Full	300	37	19.0	289	41	17.5	279	44	16.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	107	37	14.6	103	41	13.5	99	45	12.5
4	Full	115	36	14.2	111	41	13.0	107	45	12.2
3	1/2	122	37	15.1	117	42	14.0	113	46	12.9
3	Full	131	37	14.5	126	41	13.3	121	45	12.5
2	1/2	139	38	15.6	133	42	14.3	128	46	13.2
2	Full	150	37	15.0	143	42	13.8	138	46	12.9
1	1/2	159	38	16.1	152	43	14.8	146	47	13.7
1	Full	171	38	15.6	164	42	14.3	157	46	13.2
1/0	1/2	182	39	16.7	174	43	15.3	166	48	14.0
1/0	Full	195	38	16.1	187	43	14.8	179	47	13.5
2/0	1/2	207	39	17.2	198	44	15.8	189	48	14.3
2/0	Full	223	39	16.7	213	43	15.3	204	48	14.0
3/0	1/2	237	39	17.9	226	45	16.2	216	49	14.8
3/0	Full	255	39	17.4	243	44	15.8	233	48	14.5
4/0	1/2	271	40	18.5	258	45	16.7	246	50	15.3
4/0	Full	292	40	18.0	278	45	16.2	266	49	15.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	102	33	12.7	99	36	12.1	96	38	11.4
4	Full	109	33	12.2	106	35	11.6	103	38	10.9
3	1/2	116	33	13.2	112	36	12.4	109	39	11.7
3	Full	124	33	12.7	121	36	11.9	117	38	11.3
2	1/2	132	33	13.5	128	36	12.7	124	39	12.1
2	Full	142	33	13.0	137	36	12.2	134	39	11.6
1	1/2	151	34	14.0	146	37	13.2	142	40	12.4
1	Full	162	33	13.5	157	36	12.7	153	39	12.1
1/0	1/2	172	34	14.5	167	37	13.7	162	40	12.7
1/0	Full	185	34	14.0	179	37	13.2	174	40	12.4
2/0	1/2	197	34	15.1	190	38	14.0	184	41	13.2
2/0	Full	212	34	14.6	205	37	13.7	199	40	12.9
3/0	1/2	225	35	15.6	217	38	14.5	210	41	13.7
3/0	Full	242	34	15.1	234	38	14.2	227	41	13.2
4/0	1/2	258	35	16.2	248	39	15.1	240	42	14.2
4/0	Full	277	35	15.8	268	38	14.6	259	41	13.7

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	100	35	12.2	96	39	11.3	92	42	10.5
4	Full	107	35	11.7	103	38	10.9	99	41	10.1
3	1/2	113	35	12.5	109	39	11.6	105	42	10.8
3	Full	122	35	12.1	117	39	11.3	113	42	10.5
2	1/2	129	36	13.0	124	39	11.9	119	43	10.9
2	Full	139	35	12.5	133	39	11.6	128	42	10.6
1	1/2	147	36	13.3	141	40	12.2	136	43	11.3
1	Full	158	36	13.0	152	40	11.9	146	43	10.9
1/0	1/2	168	36	13.8	161	40	12.7	154	44	11.6
1/0	Full	181	36	13.3	173	40	12.2	166	43	11.3
2/0	1/2	192	37	14.3	184	41	13.0	176	44	12.1
2/0	Full	207	36	13.8	198	40	12.7	190	44	11.7
3/0	1/2	220	37	14.8	209	41	13.5	200	45	12.4
3/0	Full	236	37	14.5	226	41	13.2	216	44	12.1
4/0	1/2	251	38	15.4	239	42	14.0	228	46	12.7
4/0	Full	270	37	15.0	258	42	13.5	246	45	12.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	97	32	11.6	94	35	10.8	92	37	10.3
4	Full	104	32	11.1	101	34	10.5	99	37	10.0
3	1/2	111	32	11.9	108	35	11.1	105	37	10.6
3	Full	119	32	11.4	115	35	10.8	112	37	10.1
2	1/2	126	33	12.2	123	35	11.4	119	38	10.8
2	Full	136	32	11.7	132	35	11.1	128	37	10.5
1	1/2	144	33	12.7	140	36	11.9	136	38	11.3
1	Full	155	33	12.2	150	35	11.4	146	38	10.8
1/0	1/2	165	33	13.0	160	36	12.2	155	39	11.6
1/0	Full	177	33	12.7	172	36	11.9	167	38	11.3
2/0	1/2	189	33	13.5	182	36	12.7	176	39	11.9
2/0	Full	203	33	13.2	196	36	12.2	190	39	11.6
3/0	1/2	216	34	14.0	208	37	13.0	201	39	12.2
3/0	Full	232	33	13.7	224	36	12.7	217	39	11.9
4/0	1/2	247	34	14.6	238	37	13.5	230	40	12.7
4/0	Full	266	34	14.2	256	37	13.2	248	40	12.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	95	34	11.1	92	37	10.1	88	40	9.5
4	Full	102	34	10.6	98	37	9.8	95	40	9.2
3	1/2	108	34	11.4	104	38	10.5	100	41	9.6
3	Full	116	34	10.9	112	37	10.1	108	40	9.3
2	1/2	124	35	11.7	119	38	10.8	114	41	10.0
2	Full	133	34	11.3	127	38	10.5	123	41	9.6
1	1/2	141	35	12.1	135	39	11.1	130	42	10.3
1	Full	152	35	11.7	146	38	10.8	140	41	10.0
1/0	1/2	161	35	12.5	154	39	11.4	148	42	10.5
1/0	Full	173	35	12.1	166	39	11.1	159	42	10.3
2/0	1/2	184	36	12.9	176	39	11.7	168	43	10.8
2/0	Full	198	35	12.5	189	39	11.4	181	42	10.5
3/0	1/2	210	36	13.3	200	40	12.2	192	43	11.1
3/0	Full	226	36	13.0	216	39	11.9	207	43	10.8
4/0	1/2	240	36	13.8	229	40	12.5	218	44	11.4
4/0	Full	259	36	13.5	247	40	12.2	236	43	11.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	88	31	9.0	85	33	8.5	83	35	8.0
4	Full	94	30	8.7	91	32	8.2	89	34	7.9
3	1/2	100	31	9.3	97	33	8.8	94	35	8.4
3	Full	107	31	9.0	104	33	8.5	101	35	8.0
2	1/2	114	31	9.6	111	33	9.0	107	35	8.5
2	Full	122	31	9.3	119	33	8.7	115	35	8.2
1	1/2	130	31	10.0	126	33	9.3	122	35	8.8
1	Full	140	31	9.6	136	33	9.0	132	35	8.5
1/0	1/2	149	31	10.3	144	34	9.6	139	36	9.0
1/0	Full	160	31	10.0	155	33	9.3	150	35	8.8
2/0	1/2	170	32	10.6	164	34	10.0	159	36	9.3
2/0	Full	183	31	10.3	177	34	9.6	171	36	9.0
3/0	1/2	194	32	11.1	187	34	10.3	181	36	9.6
3/0	Full	209	32	10.8	202	34	10.0	195	36	9.3
4/0	1/2	222	32	11.4	214	35	10.6	207	37	10.0
4/0	Full	239	32	11.1	231	34	10.5	223	37	9.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----	60 Rho----	----	90 Rho----	----	120 Rho----
	Interface		Interface		Interface
	Temp Flux		Temp Flux		Temp Flux
	Amps °C w/ft ²		Amps °C w/ft ²		Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	86	32	8.7	83	35	8.0	80	37	7.4
4	Full	92	32	8.4	89	34	7.7	86	37	7.2
3	1/2	98	32	9.0	94	35	8.2	90	37	7.6
3	Full	105	32	8.7	101	35	8.0	97	37	7.4
2	1/2	111	33	9.2	107	35	8.5	103	38	7.9
2	Full	120	32	8.8	115	35	8.2	111	37	7.6
1	1/2	127	33	9.5	122	36	8.7	117	38	8.0
1	Full	137	33	9.2	131	35	8.5	126	38	7.9
1/0	1/2	145	33	9.8	139	36	9.0	133	38	8.2
1/0	Full	156	33	9.5	150	36	8.7	144	38	8.0
2/0	1/2	166	33	10.1	158	36	9.3	152	39	8.5
2/0	Full	179	33	9.8	171	36	9.0	164	39	8.4
3/0	1/2	189	34	10.5	180	37	9.5	173	39	8.7
3/0	Full	204	33	10.3	195	36	9.3	187	39	8.5
4/0	1/2	217	34	10.9	206	37	9.8	197	40	9.0
4/0	Full	233	34	10.6	222	37	9.6	213	39	8.8

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	70	29	5.5	68	30	5.1	66	31	5.0
4	Full	75	28	5.3	73	30	5.0	71	31	4.8
3	1/2	80	29	5.6	78	30	5.3	76	31	5.0
3	Full	86	29	5.5	83	30	5.1	81	31	4.8
2	1/2	91	29	5.8	88	30	5.5	86	31	5.1
2	Full	98	29	5.6	95	30	5.3	92	31	5.0
1	1/2	104	29	6.1	101	30	5.6	98	31	5.3
1	Full	112	29	5.8	108	30	5.5	105	31	5.1
1/0	1/2	119	29	6.3	115	30	5.8	111	32	5.5
1/0	Full	128	29	6.1	124	30	5.6	120	31	5.3
2/0	1/2	136	29	6.4	131	31	6.1	127	32	5.6
2/0	Full	146	29	6.3	141	30	6.0	137	32	5.5
3/0	1/2	155	29	6.8	150	31	6.3	145	32	5.8
3/0	Full	167	29	6.6	161	31	6.1	156	32	5.8
4/0	1/2	177	29	6.9	171	31	6.4	165	32	6.1
4/0	Full	191	29	6.8	184	31	6.3	178	32	6.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	69	29	5.3	66	31	4.8	64	32	4.5
4	Full	74	29	5.1	71	31	4.7	69	32	4.3
3	1/2	78	30	5.5	75	31	5.0	72	33	4.7
3	Full	84	29	5.3	81	31	4.8	78	32	4.5
2	1/2	89	30	5.6	86	31	5.1	82	33	4.8
2	Full	96	30	5.5	92	31	5.0	89	33	4.7
1	1/2	102	30	5.8	97	32	5.3	94	33	5.0
1	Full	109	30	5.6	105	31	5.1	101	33	4.8
1/0	1/2	116	30	6.0	111	32	5.5	107	33	5.0
1/0	Full	125	30	5.8	120	32	5.3	115	33	5.0
2/0	1/2	132	30	6.1	126	32	5.6	121	34	5.1
2/0	Full	143	30	6.0	136	32	5.5	131	33	5.0
3/0	1/2	151	30	6.4	144	32	5.8	138	34	5.3
3/0	Full	163	30	6.3	156	32	5.6	149	34	5.1
4/0	1/2	173	31	6.6	164	32	6.0	157	34	5.5
4/0	Full	186	30	6.4	178	32	5.8	170	34	5.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	104	40	19.7	100	45	18.0	95	49	16.4
4	Full	112	39	19.0	107	44	17.3	103	48	15.9
3	1/2	119	40	20.2	113	45	18.3	108	50	16.8
3	Full	128	40	19.4	122	45	17.7	117	49	16.3
2	1/2	135	41	20.8	129	46	18.9	123	50	17.2
2	Full	145	40	20.0	139	45	18.2	133	49	16.7
1	1/2	154	41	21.5	147	47	19.3	140	51	17.6
1	Full	166	41	20.8	158	46	18.8	151	50	17.2
1/0	1/2	176	42	22.2	167	47	19.9	159	51	18.1
1/0	Full	189	41	21.5	180	47	19.3	172	51	17.6
2/0	1/2	201	42	22.9	190	48	20.5	181	52	18.5
2/0	Full	216	42	22.2	205	47	19.9	195	52	18.1
3/0	1/2	229	43	23.7	217	49	21.0	206	53	19.1
3/0	Full	247	43	23.0	234	48	20.6	222	52	18.7
4/0	1/2	262	44	24.5	247	49	21.7	234	54	19.6
4/0	Full	282	43	23.8	267	49	21.3	253	53	19.2

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho----	----- 90 Rho----	-----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	101	44	18.2	94	50	16.0	89	55	14.3
4	Full	108	43	17.6	101	49	15.6	96	54	13.9
3	1/2	114	45	18.7	107	51	16.4	101	55	14.6
3	Full	123	44	18.1	115	50	15.9	109	55	14.2
2	1/2	130	45	19.2	121	51	16.7	114	56	14.9
2	Full	140	44	18.5	131	50	16.3	123	55	14.4
1	1/2	148	46	19.8	138	52	17.2	130	57	15.2
1	Full	160	45	19.2	149	51	16.7	140	56	14.9
1/0	1/2	169	46	20.4	157	53	17.6	147	57	15.5
1/0	Full	182	46	19.8	169	52	17.2	159	57	15.1
2/0	1/2	192	47	20.9	179	53	18.1	167	58	15.9
2/0	Full	207	46	20.4	193	53	17.6	181	57	15.6
3/0	1/2	219	48	21.6	203	54	18.5	190	59	16.3
3/0	Full	236	47	21.0	219	53	18.1	205	58	15.9
4/0	1/2	250	48	22.3	231	55	19.0	216	60	16.6
4/0	Full	270	48	21.7	250	54	18.7	233	59	16.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	97	38	16.4	92	42	14.9	89	45	13.8
4	Full	104	37	15.8	99	41	14.4	95	44	13.3
3	1/2	110	38	16.8	105	42	15.2	101	46	14.0
3	Full	118	37	16.3	113	42	14.8	108	45	13.6
2	1/2	126	38	17.3	119	43	15.7	114	46	14.3
2	Full	135	38	16.7	128	42	15.2	123	45	14.0
1	1/2	143	39	17.9	136	43	16.2	130	47	14.8
1	Full	154	38	17.3	146	43	15.7	140	46	14.3
1/0	1/2	163	39	18.4	155	44	16.6	148	47	15.1
1/0	Full	176	39	17.9	167	43	16.2	159	47	14.7
2/0	1/2	186	40	19.0	176	44	17.1	168	48	15.5
2/0	Full	201	39	18.5	190	44	16.6	181	47	15.1
3/0	1/2	213	40	19.7	201	45	17.6	191	48	15.9
3/0	Full	229	40	19.1	217	44	17.2	206	48	15.6
4/0	1/2	243	41	20.4	229	45	18.1	217	49	16.4
4/0	Full	262	40	19.8	247	45	17.7	235	48	16.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	93	41	15.2	87	46	13.4	83	50	11.9
4	Full	100	40	14.7	94	45	13.0	89	49	11.6
3	1/2	106	41	15.6	99	46	13.6	94	50	12.2
3	Full	114	41	15.1	107	46	13.3	101	50	11.8
2	1/2	121	42	16.0	113	47	14.0	106	51	12.4
2	Full	130	41	15.5	122	46	13.6	115	50	12.1
1	1/2	137	42	16.5	128	48	14.3	121	51	12.7
1	Full	148	42	16.0	138	47	14.0	130	51	12.4
1/0	1/2	156	43	16.9	146	48	14.7	137	52	13.0
1/0	Full	169	42	16.5	157	47	14.3	148	51	12.7
2/0	1/2	178	43	17.4	166	49	15.1	155	53	13.3
2/0	Full	192	43	16.9	179	48	14.8	168	52	13.0
3/0	1/2	203	44	18.0	188	49	15.5	176	53	13.5
3/0	Full	219	43	17.5	204	49	15.1	191	53	13.3
4/0	1/2	232	44	18.5	214	50	15.9	200	54	13.9
4/0	Full	250	44	18.1	232	49	15.6	217	53	13.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	93	36	14.8	88	40	13.4	85	43	12.4
4	Full	100	36	14.2	95	40	13.1	91	43	12.1
3	1/2	106	37	15.2	101	40	13.8	96	44	12.6
3	Full	113	36	14.7	108	40	13.3	104	43	12.3
2	1/2	120	37	15.6	114	41	14.1	109	44	13.0
2	Full	129	37	15.1	123	40	13.8	118	43	12.6
1	1/2	137	37	16.2	130	41	14.6	124	45	13.3
1	Full	148	37	15.6	140	41	14.1	134	44	13.0
1/0	1/2	156	38	16.6	148	42	15.0	141	45	13.6
1/0	Full	168	37	16.2	160	41	14.6	153	45	13.3
2/0	1/2	178	38	17.2	169	42	15.4	161	46	14.0
2/0	Full	192	38	16.7	182	42	15.0	174	45	13.6
3/0	1/2	203	39	17.7	192	43	15.8	183	46	14.3
3/0	Full	219	38	17.3	208	42	15.5	198	46	14.0
4/0	1/2	232	39	18.3	219	43	16.4	208	47	14.8
4/0	Full	251	39	17.9	237	43	15.9	225	46	14.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	89	39	13.8	84	44	12.1	79	48	10.8
4	Full	96	39	13.3	90	43	11.7	85	47	10.5
3	1/2	101	40	14.1	95	44	12.4	90	48	11.0
3	Full	109	39	13.6	102	44	12.1	97	47	10.7
2	1/2	115	40	14.4	108	45	12.6	102	48	11.3
2	Full	124	40	14.0	116	44	12.3	110	48	10.9
1	1/2	132	41	14.9	123	45	13.0	115	49	11.5
1	Full	142	40	14.4	133	45	12.6	125	48	11.3
1/0	1/2	150	41	15.2	139	46	13.3	131	49	11.7
1/0	Full	161	41	14.9	151	45	13.0	142	49	11.5
2/0	1/2	171	41	15.7	159	46	13.6	149	50	11.9
2/0	Full	184	41	15.4	171	46	13.3	161	50	11.7
3/0	1/2	194	42	16.2	180	47	14.0	169	51	12.3
3/0	Full	210	42	15.8	195	46	13.6	183	50	12.1
4/0	1/2	222	43	16.7	205	47	14.3	192	51	12.5
4/0	Full	239	42	16.3	222	47	14.0	208	51	12.3

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	84	34	11.7	80	37	10.6	77	39	9.8
4	Full	90	34	11.3	86	37	10.2	82	39	9.4
3	1/2	95	34	11.9	91	37	10.9	87	40	10.0
3	Full	102	34	11.6	98	37	10.6	94	39	9.7
2	1/2	108	34	12.3	103	38	11.1	99	40	10.2
2	Full	116	34	11.9	111	37	10.8	106	40	9.9
1	1/2	124	35	12.7	117	38	11.5	112	40	10.5
1	Full	133	34	12.3	127	38	11.1	121	40	10.2
1/0	1/2	141	35	13.1	134	38	11.8	127	41	10.7
1/0	Full	152	35	12.7	144	38	11.5	138	40	10.5
2/0	1/2	161	35	13.5	152	39	12.2	145	41	11.0
2/0	Full	173	35	13.1	164	38	11.8	157	41	10.8
3/0	1/2	183	36	13.9	173	39	12.5	165	42	11.3
3/0	Full	198	35	13.5	187	39	12.2	178	41	11.0
4/0	1/2	209	36	14.4	198	39	12.9	188	42	11.6
4/0	Full	226	36	14.0	213	39	12.6	203	42	11.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	81	36	10.8	76	40	9.6	71	43	8.5
4	Full	87	36	10.5	81	40	9.2	77	42	8.3
3	1/2	92	37	11.0	86	40	9.8	81	43	8.6
3	Full	99	36	10.7	92	40	9.4	87	43	8.4
2	1/2	104	37	11.4	97	41	9.9	92	44	8.9
2	Full	112	37	11.0	105	40	9.7	99	43	8.6
1	1/2	119	37	11.7	111	41	10.2	104	44	9.1
1	Full	128	37	11.4	120	41	10.0	113	44	8.9
1/0	1/2	135	38	12.1	126	41	10.5	118	44	9.2
1/0	Full	146	37	11.7	136	41	10.2	128	44	9.1
2/0	1/2	154	38	12.4	143	42	10.7	134	45	9.4
2/0	Full	166	38	12.1	155	41	10.5	145	44	9.2
3/0	1/2	175	38	12.7	163	42	11.0	152	45	9.7
3/0	Full	189	38	12.4	176	42	10.8	165	45	9.4
4/0	1/2	200	39	13.2	185	43	11.3	173	46	9.9
4/0	Full	216	39	12.9	200	42	11.0	187	45	9.7

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	67	31	7.1	64	32	6.5	61	34	5.9
4	Full	72	30	6.8	69	32	6.3	66	34	5.8
3	1/2	76	31	7.3	73	33	6.6	70	34	6.1
3	Full	82	31	7.1	78	32	6.5	75	34	5.9
2	1/2	87	31	7.5	83	33	6.8	79	34	6.3
2	Full	93	31	7.3	89	33	6.6	85	34	6.0
1	1/2	99	31	7.7	94	33	6.9	90	34	6.4
1	Full	106	31	7.5	101	33	6.8	97	34	6.3
1/0	1/2	113	31	8.0	107	33	7.2	102	35	6.5
1/0	Full	121	31	7.7	115	33	6.9	110	35	6.4
2/0	1/2	128	31	8.2	122	33	7.4	116	35	6.7
2/0	Full	138	31	8.0	131	33	7.2	125	35	6.6
3/0	1/2	146	32	8.4	138	34	7.6	132	35	6.8
3/0	Full	158	31	8.3	150	33	7.4	142	35	6.7
4/0	1/2	167	32	8.8	158	34	7.8	150	36	7.1
4/0	Full	180	32	8.5	170	34	7.6	162	35	6.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Two Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	65	32	6.6	61	34	5.8	57	36	5.2
4	Full	69	32	6.4	65	34	5.7	62	36	5.1
3	1/2	73	32	6.7	69	34	5.9	65	36	5.3
3	Full	79	32	6.6	74	34	5.8	70	36	5.2
2	1/2	83	32	6.9	78	35	6.0	74	36	5.5
2	Full	90	32	6.7	84	34	5.9	80	36	5.3
1	1/2	95	33	7.2	89	35	6.3	83	37	5.6
1	Full	102	32	6.9	96	35	6.0	90	36	5.5
1/0	1/2	108	33	7.3	101	35	6.4	95	37	5.7
1/0	Full	116	33	7.2	109	35	6.3	102	37	5.6
2/0	1/2	123	33	7.5	114	35	6.5	107	37	5.8
2/0	Full	133	33	7.4	124	35	6.4	116	37	5.7
3/0	1/2	140	33	7.7	130	36	6.7	122	37	5.9
3/0	Full	151	33	7.6	141	35	6.6	132	37	5.8
4/0	1/2	160	34	8.0	148	36	6.9	138	38	6.0
4/0	Full	172	33	7.8	160	36	6.7	150	38	5.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	100	45	24.1	94	50	21.3	89	55	19.1
4	Full	107	44	23.3	101	50	20.6	96	54	18.5
3	1/2	114	45	24.7	107	51	21.7	101	55	19.5
3	Full	122	45	23.8	115	50	21.1	109	55	19.0
2	1/2	129	46	25.3	121	52	22.2	114	56	19.8
2	Full	139	45	24.5	130	51	21.6	123	55	19.4
1	1/2	147	46	26.0	138	52	22.8	130	57	20.3
1	Full	158	46	25.3	148	52	22.2	140	56	19.8
1/0	1/2	168	47	26.9	156	53	23.3	147	57	20.7
1/0	Full	181	46	26.0	169	52	22.8	159	57	20.3
2/0	1/2	191	48	27.6	178	54	23.9	167	58	21.2
2/0	Full	206	47	26.9	192	53	23.4	181	57	20.7
3/0	1/2	217	48	28.4	202	54	24.5	190	59	21.6
3/0	Full	234	48	27.7	218	54	24.0	205	58	21.2
4/0	1/2	248	49	29.3	230	55	25.2	215	60	22.1
4/0	Full	267	48	28.6	249	55	24.6	233	59	21.7

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

90°C - Aluminum Conductor - Concentric Strand

4	1/2	95	50	21.7	87	56	18.3	81	61	15.9
4	Full	102	49	21.0	94	55	17.8	88	60	15.6
3	1/2	108	50	22.2	99	57	18.7	92	62	16.2
3	Full	116	49	21.5	107	56	18.2	99	61	15.8
2	1/2	122	51	22.7	112	57	19.1	104	62	16.4
2	Full	132	50	22.0	121	57	18.6	112	61	16.1
1	1/2	139	51	23.3	127	58	19.5	118	63	16.7
1	Full	150	51	22.6	137	57	19.1	128	62	16.4
1/0	1/2	158	52	23.8	144	59	19.9	133	64	17.0
1/0	Full	170	51	23.2	156	58	19.5	145	63	16.7
2/0	1/2	180	53	24.4	164	60	20.3	151	64	17.3
2/0	Full	194	52	23.9	177	59	19.9	164	64	17.0
3/0	1/2	204	53	25.1	186	60	20.8	171	65	17.6
3/0	Full	221	53	24.5	201	60	20.4	186	64	17.3
4/0	1/2	233	54	25.8	211	61	21.2	194	66	17.9
4/0	Full	251	54	25.2	228	60	20.9	210	65	17.7

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	93	41	20.1	87	46	17.7	82	50	15.9
4	Full	100	41	19.5	94	46	17.2	89	49	15.5
3	1/2	105	42	20.6	99	47	18.1	94	50	16.2
3	Full	113	41	19.9	107	46	17.6	101	50	15.8
2	1/2	120	42	21.1	112	47	18.5	106	51	16.5
2	Full	129	42	20.5	121	47	18.0	114	50	16.1
1	1/2	136	43	21.7	128	48	19.1	120	52	16.9
1	Full	147	42	21.1	138	47	18.5	130	51	16.5
1/0	1/2	155	43	22.3	145	48	19.5	137	52	17.3
1/0	Full	167	43	21.7	157	48	19.1	148	52	16.9
2/0	1/2	177	44	23.0	165	49	20.0	155	53	17.6
2/0	Full	191	43	22.4	178	48	19.5	168	52	17.3
3/0	1/2	202	44	23.6	187	50	20.5	176	53	18.0
3/0	Full	217	44	23.1	203	49	20.1	190	53	17.7
4/0	1/2	230	45	24.4	213	50	21.0	200	54	18.4
4/0	Full	248	45	23.8	231	50	20.6	216	54	18.1

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

80°C - Aluminum Conductor - Concentric Strand

4	1/2	88	46	18.1	81	51	15.4	75	55	13.3
4	Full	95	45	17.5	87	50	15.0	82	55	13.0
3	1/2	100	46	18.4	92	52	15.6	85	56	13.6
3	Full	108	45	17.9	99	51	15.3	92	55	13.3
2	1/2	113	46	19.0	104	52	15.9	97	56	13.8
2	Full	122	46	18.4	112	51	15.6	105	56	13.5
1	1/2	129	47	19.5	118	53	16.3	109	57	14.0
1	Full	139	47	19.0	128	52	15.9	119	56	13.8
1/0	1/2	147	48	19.9	134	53	16.6	124	57	14.3
1/0	Full	158	47	19.5	145	53	16.3	134	57	14.0
2/0	1/2	167	48	20.4	152	54	17.0	140	58	14.5
2/0	Full	180	48	20.0	164	53	16.6	152	57	14.3
3/0	1/2	190	49	21.0	172	55	17.3	159	58	14.8
3/0	Full	205	48	20.5	187	54	17.0	172	58	14.5
4/0	1/2	216	49	21.5	196	55	17.7	180	59	15.0
4/0	Full	233	49	21.1	212	55	17.4	195	59	14.8

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

---- 60 Rho----	---- 90 Rho----	----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	89	40	18.1	83	44	16.0	79	48	14.4
4	Full	95	39	17.5	90	44	15.6	85	47	14.0
3	1/2	101	40	18.5	95	45	16.4	90	48	14.7
3	Full	108	40	17.9	102	44	15.9	97	47	14.3
2	1/2	115	41	19.1	108	45	16.7	102	48	14.9
2	Full	123	40	18.4	116	45	16.3	110	48	14.6
1	1/2	131	41	19.6	122	46	17.1	115	49	15.3
1	Full	141	41	19.1	132	45	16.7	125	48	14.9
1/0	1/2	149	42	20.2	139	46	17.5	131	50	15.6
1/0	Full	160	41	19.6	150	46	17.1	141	49	15.3
2/0	1/2	169	42	20.7	158	47	18.0	149	50	15.9
2/0	Full	183	42	20.2	171	46	17.6	161	50	15.6
3/0	1/2	193	43	21.3	179	47	18.4	168	51	16.3
3/0	Full	208	42	20.8	194	47	18.0	182	50	16.0
4/0	1/2	220	43	22.0	204	48	19.0	191	51	16.7
4/0	Full	237	43	21.5	221	47	18.5	207	51	16.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

75°C - Aluminum Conductor - Concentric Strand

4	1/2	84	44	16.3	78	49	13.9	72	52	12.1
4	Full	91	43	15.8	84	48	13.5	78	52	11.8
3	1/2	96	44	16.7	88	49	14.1	82	53	12.3
3	Full	103	43	16.2	95	48	13.8	88	52	12.0
2	1/2	109	44	17.1	100	50	14.4	93	53	12.5
2	Full	117	44	16.6	108	49	14.1	100	53	12.2
1	1/2	124	45	17.5	113	50	14.7	105	54	12.7
1	Full	133	44	17.1	122	50	14.4	114	53	12.5
1/0	1/2	140	45	17.9	128	51	15.0	119	54	12.9
1/0	Full	152	45	17.5	139	50	14.7	129	54	12.7
2/0	1/2	160	46	18.4	146	51	15.3	134	55	13.1
2/0	Full	172	45	17.9	158	51	15.0	146	54	12.9
3/0	1/2	181	46	18.8	165	52	15.7	152	55	13.4
3/0	Full	196	46	18.4	179	51	15.4	165	55	13.2
4/0	1/2	206	47	19.4	187	52	16.0	173	56	13.6
4/0	Full	223	47	19.0	203	52	15.7	187	55	13.4

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	80	37	14.3	75	40	12.7	71	43	11.4
4	Full	86	36	13.8	81	40	12.3	77	42	11.0
3	1/2	91	37	14.6	85	41	12.9	81	43	11.6
3	Full	98	37	14.2	92	40	12.6	87	43	11.2
2	1/2	103	37	15.0	97	41	13.2	92	44	11.8
2	Full	111	37	14.6	105	40	12.9	99	43	11.6
1	1/2	118	38	15.4	110	41	13.5	104	44	12.1
1	Full	127	37	15.0	119	41	13.2	112	44	11.8
1/0	1/2	134	38	15.8	125	42	13.9	118	44	12.3
1/0	Full	145	38	15.4	135	41	13.5	128	44	12.1
2/0	1/2	153	38	16.3	142	42	14.2	134	45	12.6
2/0	Full	165	38	15.9	154	42	13.9	145	44	12.4
3/0	1/2	174	39	16.8	162	43	14.6	152	45	12.9
3/0	Full	188	39	16.4	175	42	14.3	165	45	12.7
4/0	1/2	198	39	17.3	184	43	14.9	173	46	13.2
4/0	Full	214	39	16.9	199	43	14.6	187	45	13.0

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

65°C - Aluminum Conductor - Concentric Strand

4	1/2	76	40	12.9	70	44	10.9	65	47	9.5
4	Full	82	39	12.5	76	43	10.6	71	46	9.3
3	1/2	86	40	13.2	79	44	11.1	74	47	9.6
3	Full	93	40	12.8	86	44	10.8	80	47	9.4
2	1/2	98	40	13.5	90	44	11.4	84	47	9.8
2	Full	106	40	13.1	97	44	11.1	90	47	9.6
1	1/2	111	41	13.8	102	45	11.7	95	48	10.0
1	Full	120	40	13.5	110	44	11.4	103	47	9.8
1/0	1/2	127	41	14.2	116	45	11.9	107	48	10.1
1/0	Full	137	41	13.8	125	45	11.7	116	48	10.0
2/0	1/2	144	42	14.5	131	46	12.1	121	49	10.3
2/0	Full	156	41	14.2	142	45	11.9	132	48	10.2
3/0	1/2	164	42	14.9	149	46	12.4	138	49	10.5
3/0	Full	177	42	14.6	162	46	12.2	149	49	10.4
4/0	1/2	186	42	15.3	169	47	12.7	156	49	10.7
4/0	Full	201	42	15.0	183	46	12.5	169	49	10.6

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

75% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	64	32	8.7	60	34	7.7	57	36	7.0
4	Full	69	32	8.4	65	34	7.5	62	36	6.8
3	1/2	73	32	8.9	68	35	7.9	65	36	7.1
3	Full	78	32	8.6	74	34	7.7	70	36	6.9
2	1/2	83	33	9.1	78	35	8.0	73	36	7.2
2	Full	89	32	8.9	84	35	7.8	79	36	7.1
1	1/2	94	33	9.4	88	35	8.2	83	37	7.4
1	Full	102	33	9.1	95	35	8.0	90	36	7.2
1/0	1/2	107	33	9.6	100	35	8.4	94	37	7.5
1/0	Full	116	33	9.4	108	35	8.2	102	37	7.4
2/0	1/2	122	33	9.9	114	36	8.6	107	37	7.7
2/0	Full	132	33	9.7	123	35	8.5	116	37	7.5
3/0	1/2	139	34	10.2	129	36	8.9	122	38	7.8
3/0	Full	150	33	9.9	140	36	8.7	132	37	7.7
4/0	1/2	158	34	10.5	147	36	9.1	138	38	8.0
4/0	Full	171	34	10.3	159	36	8.9	150	38	7.9

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 in Buried Ducts - One Cable per Duct - Three Ducts in Contact

25°C Earth Ambient

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neutr.
 Size Size

100% LF

50°C - Aluminum Conductor - Concentric Strand

4	1/2	61	34	7.9	56	37	6.7	52	38	5.9
4	Full	66	34	7.7	61	36	6.6	57	38	5.7
3	1/2	69	34	8.0	64	37	6.8	59	39	5.9
3	Full	75	34	7.8	69	36	6.7	64	38	5.8
2	1/2	78	34	8.2	72	37	7.0	67	39	6.0
2	Full	85	34	8.0	78	37	6.8	73	39	5.9
1	1/2	89	35	8.4	82	37	7.1	76	39	6.2
1	Full	96	34	8.2	88	37	7.0	82	39	6.1
1/0	1/2	101	35	8.6	93	37	7.2	86	39	6.3
1/0	Full	109	35	8.4	100	37	7.1	93	39	6.2
2/0	1/2	115	35	8.8	105	38	7.4	97	40	6.4
2/0	Full	124	35	8.6	114	38	7.3	106	39	6.3
3/0	1/2	131	35	9.1	119	38	7.6	110	40	6.5
3/0	Full	142	35	8.9	129	38	7.4	120	40	6.4
4/0	1/2	149	36	9.3	135	38	7.7	125	40	6.6
4/0	Full	161	36	9.1	147	38	7.6	136	40	6.5

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Aluminum Conductor - Concentric Strand

4	1/2	89	93	66	76
4	Full	96	99	71	81
3	1/2	102	105	75	86
3	Full	109	113	81	93
2	1/2	116	120	85	98
2	Full	124	129	92	106
1	1/2	132	137	97	112
1	Full	142	148	105	121
1/0	1/2	150	157	111	128
1/0	Full	162	169	120	138
2/0	1/2	172	179	127	146
2/0	Full	185	193	137	158
3/0	1/2	196	204	145	167
3/0	Full	211	220	156	180
4/0	1/2	224	234	166	191
4/0	Full	242	252	179	206

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Aluminum Conductor - Concentric Strand

4	1/2	75	78	43	56
4	Full	81	84	46	61
3	1/2	86	89	48	64
3	Full	92	96	52	69
2	1/2	98	102	55	73
2	Full	105	109	59	79
1	1/2	111	116	63	83
1	Full	120	125	68	90
1/0	1/2	127	133	72	95
1/0	Full	137	143	77	103
2/0	1/2	145	151	82	109
2/0	Full	156	163	88	117
3/0	1/2	165	173	93	124
3/0	Full	178	187	101	134
4/0	1/2	189	198	107	142
4/0	Full	204	213	115	153

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Free Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Aluminum Conductor - Concentric Strand

4	1/2	118	139	93	121
4	Full	125	146	98	127
3	1/2	136	160	106	138
3	Full	144	168	112	145
2	1/2	156	183	122	158
2	Full	165	193	129	167
1	1/2	180	211	140	182
1	Full	190	222	148	191
1/0	1/2	207	242	161	209
1/0	Full	219	255	171	220
2/0	1/2	238	279	185	239
2/0	Full	253	294	196	253
3/0	1/2	274	321	213	275
3/0	Full	292	339	226	290
4/0	1/2	317	370	245	316
4/0	Full	337	391	261	334

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Free Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Aluminum Conductor - Concentric Strand

4	1/2	99	119	63	95
4	Full	105	125	67	100
3	1/2	114	136	72	109
3	Full	120	143	76	114
2	1/2	130	156	83	124
2	Full	138	164	88	131
1	1/2	150	180	95	143
1	Full	159	189	101	150
1/0	1/2	173	206	109	163
1/0	Full	184	218	115	172
2/0	1/2	199	237	125	187
2/0	Full	212	251	133	197
3/0	1/2	229	273	143	214
3/0	Full	244	289	152	226
4/0	1/2	264	315	164	245
4/0	Full	282	333	175	259

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

90°C - Aluminum Conductor - Concentric Strand

4	1/2	92	96	73	84
4	Full	98	103	79	90
3	1/2	105	110	84	96
3	Full	112	118	90	103
2	1/2	119	126	96	110
2	Full	128	135	103	117
1	1/2	136	144	109	125
1	Full	147	154	118	135
1/0	1/2	156	165	125	144
1/0	Full	168	177	134	154
2/0	1/2	178	189	143	164
2/0	Full	192	203	154	177
3/0	1/2	204	216	164	188
3/0	Full	219	232	176	203
4/0	1/2	233	248	187	216
4/0	Full	251	267	202	232

15 kV Extruded Dielectric 2/c Concentric Neutral Cable
 Neutral Current 1/2 of Conductor Current
 Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

No Sun Full Sun
 0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
 Size Size

75°C - Aluminum Conductor - Concentric Strand

4	1/2	76	81	52	65
4	Full	82	86	56	70
3	1/2	87	92	59	74
3	Full	94	99	64	80
2	1/2	99	105	68	85
2	Full	107	113	73	91
1	1/2	114	120	78	97
1	Full	122	129	84	104
1/0	1/2	130	138	89	111
1/0	Full	140	148	96	119
2/0	1/2	148	158	101	127
2/0	Full	160	170	109	137
3/0	1/2	169	181	116	146
3/0	Full	183	194	125	157
4/0	1/2	194	207	133	167
4/0	Full	209	223	143	180

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

2	Full	175	168	168	159	163	151
2	1/2	175	168	169	159	163	151
2	1/3	175	168	169	159	163	152
2	1/6	175	168	169	159	163	152
1	Full	199	191	192	180	185	171
1	1/2	200	191	192	181	186	172
1	1/3	200	192	193	181	186	172
1	1/6	200	192	193	181	186	172
1/0	Full	226	216	217	204	209	193
1/0	1/2	227	217	219	205	211	195
1/0	1/3	228	218	219	206	211	195
1/0	1/6	228	218	220	206	212	196
2/0	Full	256	244	246	230	237	218
2/0	1/2	258	247	248	233	239	220
2/0	1/3	259	248	249	233	240	221
2/0	1/6	260	248	250	234	241	222
3/0	Full	289	275	277	259	266	245
3/0	1/2	293	280	281	263	270	249
3/0	1/3	295	281	283	264	272	250
3/0	1/6	296	283	284	266	273	252
4/0	Full	325	309	311	290	299	274
4/0	1/2	332	316	318	297	305	280
4/0	1/3	335	318	320	299	308	282
4/0	1/6	338	321	323	302	310	285

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

250	1/3	364	346	348	325	334	306
250	1/6	369	350	352	329	338	310
250	1/12	371	353	355	331	340	312
250	1/18	372	353	355	331	341	313
350	1/3	434	411	413	383	396	361
350	1/6	443	419	422	392	404	369
350	1/12	448	424	427	396	409	373
350	1/18	449	426	429	398	410	375
500	1/3	510	481	485	448	462	420
500	1/6	529	500	503	465	480	436
500	1/12	541	511	514	475	491	446
500	1/18	545	514	518	479	494	450
750	1/3	589	553	558	512	530	478
750	1/6	628	590	594	546	565	510
750	1/12	655	616	621	571	590	533
750	1/18	666	626	631	580	600	542
1000	1/6	709	661	667	607	630	564
1000	1/12	755	705	711	648	672	602
1000	1/24	784	732	738	674	699	626
1000	1/36	795	742	749	683	709	635
1250	1/6	759	705	711	645	671	597
1250	1/12	821	763	769	699	726	647
1250	1/24	863	803	810	736	765	682
1250	1/36	879	818	825	750	780	696
1500	1/6	785	727	733	663	690	612
1500	1/12	860	797	804	728	758	673
1500	1/24	916	850	857	777	809	719
1500	1/36	938	871	879	797	829	737
1750	1/6	831	764	771	691	722	635
1750	1/12	918	845	853	766	800	704
1750	1/24	989	912	920	827	863	762
1750	1/36	1018	939	948	853	890	785
2000	1/6	846	775	783	700	732	642
2000	1/12	939	862	870	779	815	715
2000	1/24	1023	940	949	851	889	782
2000	1/36	1059	974	983	883	922	811

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

2	Full	155	148	149	141	144	134
2	1/2	155	149	149	141	144	134
2	1/3	155	149	150	141	145	135
2	1/6	155	149	150	141	145	135
1	Full	176	168	169	160	164	152
1	1/2	177	169	170	160	164	152
1	1/3	177	170	170	161	165	153
1	1/6	177	170	171	161	165	153
1/0	Full	200	191	192	180	185	171
1/0	1/2	201	192	193	182	186	173
1/0	1/3	202	193	194	182	187	173
1/0	1/6	202	193	194	183	187	174
2/0	Full	226	216	217	204	209	193
2/0	1/2	228	218	219	206	211	195
2/0	1/3	229	219	220	207	212	196
2/0	1/6	230	220	221	207	213	197
3/0	Full	255	243	244	229	235	217
3/0	1/2	259	247	248	233	239	220
3/0	1/3	261	249	250	234	241	222
3/0	1/6	262	250	251	235	242	223
4/0	Full	287	273	274	256	263	242
4/0	1/2	293	279	280	262	269	248
4/0	1/3	296	281	283	264	272	250
4/0	1/6	298	284	286	267	275	252

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

250	1/3	321	306	307	287	295	271
250	1/6	325	310	311	291	299	275
250	1/12	328	312	314	293	301	277
250	1/18	328	313	314	293	302	277
350	1/3	381	362	364	338	348	319
350	1/6	390	370	372	346	357	326
350	1/12	395	375	377	351	361	331
350	1/18	397	377	379	352	363	332
500	1/3	447	423	425	393	406	369
500	1/6	465	440	443	410	423	385
500	1/12	476	450	453	420	433	394
500	1/18	480	454	457	423	437	398
750	1/3	514	483	486	447	463	418
750	1/6	549	517	520	479	495	448
750	1/12	575	541	545	502	519	469
750	1/18	585	551	555	511	528	478
1000	1/6	617	576	581	530	550	493
1000	1/12	660	617	621	568	589	528
1000	1/24	687	643	648	592	614	551
1000	1/36	698	653	657	601	623	560
1250	1/6	660	613	618	561	584	520
1250	1/12	716	666	672	611	635	567
1250	1/24	756	704	710	646	671	600
1250	1/36	771	718	724	660	685	612
1500	1/6	680	631	636	575	599	533
1500	1/12	747	694	700	634	660	587
1500	1/24	799	743	749	680	707	630
1500	1/36	820	763	769	698	726	647
1750	1/6	719	662	668	599	626	552
1750	1/12	796	734	740	665	695	613
1750	1/24	861	795	802	723	753	666
1750	1/36	889	821	828	747	778	688
2000	1/6	731	671	677	606	634	557
2000	1/12	813	747	754	676	706	622
2000	1/24	889	819	826	742	775	683
2000	1/36	923	850	858	771	805	710

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

2	Full	156	143	145	129	136	119
2	1/2	157	144	146	130	136	119
2	1/3	157	144	146	130	136	120
2	1/6	157	144	146	130	136	120
1	Full	177	162	164	146	153	134
1	1/2	178	162	165	147	154	135
1	1/3	179	163	165	147	154	135
1	1/6	179	163	166	147	155	135
1/0	Full	201	183	186	165	173	151
1/0	1/2	202	184	187	166	174	152
1/0	1/3	203	184	187	166	174	152
1/0	1/6	203	185	188	167	175	153
2/0	Full	227	205	209	185	194	169
2/0	1/2	229	208	211	187	196	171
2/0	1/3	230	208	212	188	197	172
2/0	1/6	231	209	212	188	198	172
3/0	Full	255	230	234	207	218	189
3/0	1/2	259	234	238	210	221	192
3/0	1/3	260	235	239	211	222	193
3/0	1/6	262	237	241	213	224	194
4/0	Full	286	257	261	230	243	210
4/0	1/2	292	263	267	236	248	214
4/0	1/3	294	265	269	238	250	216
4/0	1/6	297	268	272	240	253	218

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

250	1/3	319	287	292	257	271	234
250	1/6	323	291	296	261	275	237
250	1/12	325	293	297	262	276	239
250	1/18	325	294	298	263	277	239
350	1/3	376	338	343	301	318	273
350	1/6	384	345	351	308	325	279
350	1/12	389	349	355	312	329	283
350	1/18	391	351	356	313	330	284
500	1/3	439	392	398	346	367	314
500	1/6	456	407	414	360	382	327
500	1/12	466	416	423	369	391	334
500	1/18	469	420	427	372	394	337
750	1/3	502	444	452	390	415	353
750	1/6	535	474	483	417	444	377
750	1/12	560	496	505	437	464	395
750	1/18	569	504	513	444	472	402
1000	1/6	593	521	532	456	486	410
1000	1/12	634	557	567	487	519	438
1000	1/24	659	580	590	507	540	457
1000	1/36	669	588	599	515	548	463
1250	1/6	629	551	562	479	511	430
1250	1/12	681	598	609	521	555	467
1250	1/24	718	631	642	550	585	494
1250	1/36	732	643	655	561	597	504
1500	1/6	646	563	576	489	522	438
1500	1/12	710	620	633	539	574	483
1500	1/24	757	663	675	577	615	517
1500	1/36	777	680	693	592	631	531
1750	1/6	673	581	593	502	537	448
1750	1/12	745	645	658	558	596	498
1750	1/24	806	698	712	604	645	539
1750	1/36	831	720	735	624	666	557
2000	1/6	681	586	599	506	541	450
2000	1/12	758	654	668	565	603	503
2000	1/24	828	716	731	619	661	552
2000	1/36	859	743	758	642	686	573

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

2	Full	139	127	129	115	120	106
2	1/2	139	128	129	115	121	106
2	1/3	139	128	129	115	121	106
2	1/6	139	128	129	116	121	107
1	Full	157	144	145	130	136	119
1	1/2	158	145	146	130	137	120
1	1/3	158	145	146	131	137	120
1	1/6	158	145	147	131	137	120
1/0	Full	178	162	164	146	153	134
1/0	1/2	179	163	165	147	154	135
1/0	1/3	179	164	166	148	155	135
1/0	1/6	180	164	166	148	155	136
2/0	Full	200	182	185	164	172	150
2/0	1/2	203	184	187	166	174	152
2/0	1/3	203	185	188	166	175	152
2/0	1/6	204	186	189	167	176	153
3/0	Full	226	204	207	183	193	167
3/0	1/2	229	208	211	187	196	170
3/0	1/3	231	209	212	188	197	171
3/0	1/6	232	210	213	189	199	172
4/0	Full	252	227	231	204	214	186
4/0	1/2	258	233	237	209	220	190
4/0	1/3	260	235	239	211	222	192
4/0	1/6	263	237	241	213	224	194

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

250	1/3	283	254	259	228	240	208
250	1/6	286	258	262	231	243	210
250	1/12	288	260	264	233	245	212
250	1/18	289	260	265	234	246	212
350	1/3	332	298	303	265	280	241
350	1/6	340	306	310	272	287	247
350	1/12	345	310	314	276	291	251
350	1/18	346	311	316	277	292	252
500	1/3	386	345	350	305	323	277
500	1/6	402	359	365	319	337	289
500	1/12	412	368	374	327	346	296
500	1/18	416	372	378	329	349	299
750	1/3	437	389	395	342	363	309
750	1/6	468	417	424	367	390	332
750	1/12	491	437	445	386	409	349
750	1/18	500	445	453	393	416	355
1000	1/6	518	456	465	399	425	359
1000	1/12	555	489	498	428	456	385
1000	1/24	578	511	519	447	476	403
1000	1/36	587	519	528	454	483	409
1250	1/6	548	480	490	419	445	376
1250	1/12	596	523	533	457	485	410
1250	1/24	632	554	564	484	514	435
1250	1/36	645	566	576	494	525	444
1500	1/6	561	490	501	426	454	382
1500	1/12	618	541	551	471	501	422
1500	1/24	663	581	592	506	538	454
1500	1/36	681	597	608	520	554	467
1750	1/6	584	505	516	437	466	390
1750	1/12	648	562	573	487	519	434
1750	1/24	703	611	623	529	564	473
1750	1/36	727	631	644	548	583	489
2000	1/6	590	509	520	440	470	392
2000	1/12	658	569	580	492	525	438
2000	1/24	722	625	638	541	577	482
2000	1/36	750	650	663	563	600	502

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

2	Full	136	119	122	105	111	93
2	1/2	137	120	122	105	112	94
2	1/3	137	120	122	105	112	94
2	1/6	137	120	122	106	112	94
1	Full	154	135	137	117	125	105
1	1/2	155	135	138	118	126	105
1	1/3	155	136	138	118	126	105
1	1/6	156	136	138	118	126	106
1/0	Full	174	151	154	131	141	117
1/0	1/2	175	153	155	132	142	118
1/0	1/3	176	153	156	133	142	118
1/0	1/6	176	153	156	133	142	119
2/0	Full	196	171	173	149	158	131
2/0	1/2	198	172	175	150	159	133
2/0	1/3	198	173	175	151	160	133
2/0	1/6	199	174	176	152	161	134
3/0	Full	219	191	194	164	176	146
3/0	1/2	222	194	197	167	179	148
3/0	1/3	224	195	198	168	180	149
3/0	1/6	225	196	199	169	181	150
4/0	Full	244	212	215	182	194	162
4/0	1/2	250	217	220	186	198	165
4/0	1/3	252	219	222	188	200	167
4/0	1/6	254	221	224	189	202	168

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

250	1/3	273	237	240	203	216	180
250	1/6	276	240	243	205	219	182
250	1/12	278	242	245	207	221	184
250	1/18	278	242	245	207	221	184
350	1/3	319	277	280	235	252	209
350	1/6	326	283	287	241	257	214
350	1/12	330	287	290	244	261	216
350	1/18	331	288	292	245	262	217
500	1/3	369	320	321	270	289	239
500	1/6	383	332	335	281	301	249
500	1/12	392	340	342	287	308	254
500	1/18	395	343	345	290	310	257
750	1/3	416	355	364	301	323	266
750	1/6	445	380	386	322	346	285
750	1/12	466	397	405	338	362	298
750	1/18	473	404	411	344	368	303
1000	1/6	489	413	425	348	374	311
1000	1/12	523	441	449	373	400	328
1000	1/24	544	460	468	388	417	341
1000	1/36	552	466	475	394	423	347
1250	1/6	517	432	442	365	392	321
1250	1/12	561	471	486	397	426	349
1250	1/24	592	497	513	419	450	369
1250	1/36	603	507	523	428	459	377
1500	1/6	529	441	450	371	399	330
1500	1/12	582	486	496	409	439	364
1500	1/24	622	520	531	439	471	390
1500	1/36	638	534	545	450	483	401
1750	1/6	540	450	459	377	406	329
1750	1/12	600	500	511	420	451	372
1750	1/24	657	542	554	455	489	404
1750	1/36	677	560	571	469	505	417
2000	1/6	545	453	462	379	407	331
2000	1/12	608	506	516	424	455	371
2000	1/24	665	555	566	465	500	406
2000	1/36	691	576	588	483	519	427

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

2	Full	121	106	108	93	99	83
2	1/2	121	107	108	94	99	83
2	1/3	121	107	109	94	99	83
2	1/6	122	107	109	94	99	84
1	Full	137	120	122	105	111	93
1	1/2	137	120	122	106	112	94
1	1/3	138	121	123	106	112	94
1	1/6	138	121	123	106	112	94
1/0	Full	154	135	137	118	125	104
1/0	1/2	155	136	138	119	126	105
1/0	1/3	155	136	138	119	126	106
1/0	1/6	156	137	139	119	126	106
2/0	Full	173	151	153	132	140	117
2/0	1/2	175	153	155	133	141	118
2/0	1/3	176	154	156	134	142	119
2/0	1/6	176	154	156	135	142	119
3/0	Full	193	169	171	147	156	130
3/0	1/2	197	172	174	150	158	132
3/0	1/3	198	173	175	151	159	133
3/0	1/6	199	174	176	152	160	134
4/0	Full	215	188	190	163	172	143
4/0	1/2	220	192	195	167	177	147
4/0	1/3	223	194	196	169	178	148
4/0	1/6	225	196	198	170	180	150

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

250	1/3	241	210	212	182	193	160
250	1/6	244	213	215	185	195	162
250	1/12	246	214	217	186	197	164
250	1/18	247	215	217	186	197	164
350	1/3	282	245	247	209	224	185
350	1/6	288	251	253	214	229	190
350	1/12	292	254	257	217	232	192
350	1/18	294	255	258	218	234	193
500	1/3	324	281	283	238	256	213
500	1/6	338	293	296	248	267	223
500	1/12	347	301	303	255	274	228
500	1/18	350	303	306	257	276	230
750	1/3	364	315	316	264	285	236
750	1/6	391	337	340	284	305	253
750	1/12	410	354	357	298	321	266
750	1/18	418	361	363	304	327	271
1000	1/6	426	361	367	305	329	268
1000	1/12	457	388	394	328	354	288
1000	1/24	477	405	412	343	369	301
1000	1/36	485	412	419	348	375	306
1250	1/6	448	378	389	319	345	283
1250	1/12	488	413	420	348	377	309
1250	1/24	517	438	445	369	399	328
1250	1/36	528	447	455	377	408	336
1500	1/6	457	384	396	324	350	283
1500	1/12	505	425	437	358	387	313
1500	1/24	541	458	465	385	416	337
1500	1/36	557	470	478	396	428	347
1750	1/6	469	392	399	328	356	287
1750	1/12	527	437	445	365	397	320
1750	1/24	573	475	484	399	432	349
1750	1/36	592	492	501	412	447	361
2000	1/6	478	394	401	329	357	287
2000	1/12	533	441	449	369	400	322
2000	1/24	586	485	494	406	440	355
2000	1/36	610	505	514	422	458	370

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

2	Full	123	105	109	91	98	81
2	1/2	123	106	109	92	98	82
2	1/3	123	106	109	92	99	82
2	1/6	124	106	109	92	99	82
1	Full	139	119	122	102	110	91
1	1/2	139	119	123	103	111	92
1	1/3	140	119	123	103	111	92
1	1/6	140	120	123	103	111	92
1/0	Full	156	133	137	115	124	102
1/0	1/2	157	134	138	116	125	103
1/0	1/3	158	135	138	116	125	103
1/0	1/6	158	135	139	116	125	103
2/0	Full	175	149	153	128	138	114
2/0	1/2	177	150	155	130	140	115
2/0	1/3	178	151	156	130	140	116
2/0	1/6	178	152	156	131	141	116
3/0	Full	196	166	171	143	154	127
3/0	1/2	199	169	174	145	156	129
3/0	1/3	200	170	175	146	157	129
3/0	1/6	201	171	176	147	158	130
4/0	Full	218	184	190	158	170	140
4/0	1/2	222	189	194	161	174	144
4/0	1/3	224	190	196	163	176	145
4/0	1/6	227	192	198	164	178	146

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

250	1/3	243	206	212	176	190	156
250	1/6	246	208	214	178	193	158
250	1/12	248	210	216	179	194	159
250	1/18	248	210	216	180	194	159
350	1/3	283	240	246	204	221	180
350	1/6	290	244	251	209	226	185
350	1/12	294	247	255	211	229	187
350	1/18	295	248	256	212	230	188
500	1/3	326	274	282	233	252	206
500	1/6	339	285	293	242	262	215
500	1/12	347	292	300	248	268	219
500	1/18	350	294	303	250	270	221
750	1/3	366	306	316	259	281	228
750	1/6	391	328	338	278	301	245
750	1/12	410	343	354	292	315	256
750	1/18	417	349	360	297	321	261
1000	1/6	427	353	365	298	323	262
1000	1/12	456	378	391	320	347	282
1000	1/24	474	394	407	333	361	293
1000	1/36	481	400	413	338	367	298
1250	1/6	448	370	382	313	339	274
1250	1/12	487	402	416	339	369	299
1250	1/24	514	425	439	360	389	316
1250	1/36	524	434	448	366	397	322
1500	1/6	460	376	388	317	344	279
1500	1/12	503	415	428	349	379	307
1500	1/24	539	445	459	376	406	329
1500	1/36	553	456	471	386	418	338
1750	1/6	467	383	396	321	348	282
1750	1/12	519	426	440	357	388	314
1750	1/24	562	462	477	387	421	340
1750	1/36	580	478	493	400	434	351
2000	1/6	470	384	397	322	349	282
2000	1/12	525	430	445	360	392	315
2000	1/24	575	471	488	395	430	346
2000	1/36	597	490	507	410	445	359

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

2	Full	109	94	97	81	87	73
2	1/2	110	94	97	82	88	73
2	1/3	110	94	97	82	88	73
2	1/6	110	94	97	82	88	73
1	Full	123	106	109	91	98	81
1	1/2	124	106	109	92	98	82
1	1/3	124	106	109	92	99	82
1	1/6	124	107	110	92	99	82
1/0	Full	138	118	122	102	110	91
1/0	1/2	140	119	123	103	111	92
1/0	1/3	140	120	123	103	111	92
1/0	1/6	140	120	124	104	111	92
2/0	Full	155	133	136	114	123	101
2/0	1/2	157	134	138	115	124	102
2/0	1/3	158	135	138	116	125	103
2/0	1/6	158	135	139	116	125	103
3/0	Full	173	147	152	127	137	113
3/0	1/2	176	150	154	129	139	115
3/0	1/3	177	151	155	130	140	115
3/0	1/6	179	152	156	131	141	116
4/0	Full	192	163	168	140	151	124
4/0	1/2	197	167	172	143	154	127
4/0	1/3	199	169	174	145	156	128
4/0	1/6	201	171	176	147	158	130

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

250	1/3	215	183	188	157	169	138
250	1/6	218	185	190	159	171	140
250	1/12	220	187	192	160	172	141
250	1/18	220	187	192	160	173	142
350	1/3	251	213	217	180	195	160
350	1/6	257	217	223	185	200	164
350	1/12	260	220	226	188	203	167
350	1/18	261	221	227	188	204	167
500	1/3	288	241	248	206	222	182
500	1/6	300	252	259	215	231	190
500	1/12	308	258	266	221	237	195
500	1/18	310	261	268	223	240	197
750	1/3	321	269	276	228	246	200
750	1/6	344	288	296	245	264	216
750	1/12	361	303	311	257	278	226
750	1/18	368	309	317	261	283	230
1000	1/6	373	310	319	261	283	230
1000	1/12	400	333	343	281	303	246
1000	1/24	418	348	358	294	317	258
1000	1/36	425	353	364	299	322	263
1250	1/6	392	323	333	273	295	240
1250	1/12	428	353	365	298	322	261
1250	1/24	452	375	387	317	343	278
1250	1/36	462	383	395	324	350	283
1500	1/6	398	328	338	276	299	242
1500	1/12	440	363	374	305	331	268
1500	1/24	472	391	402	330	355	288
1500	1/36	485	402	414	339	366	296
1750	1/6	406	333	343	279	303	244
1750	1/12	452	372	383	312	337	273
1750	1/24	491	406	418	339	368	298
1750	1/36	508	420	433	352	381	307
2000	1/6	408	334	345	279	304	244
2000	1/12	456	374	385	314	339	273
2000	1/24	502	412	425	346	374	301
2000	1/36	522	430	442	359	389	314

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
 in Underground Duct Bank - 1 Circuit - Three Cables - 7.5 in Spacing
 25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

250	1/3	383	361	363	334	345	312
250	1/6	408	385	387	356	368	333
250	1/12	426	401	404	371	384	347
250	1/18	433	406	410	376	390	352
350	1/3	430	404	406	373	385	347
350	1/6	467	439	441	404	418	377
350	1/12	500	470	472	433	448	403
350	1/18	513	482	485	444	460	414
500	1/3	479	448	451	411	426	382
500	1/6	521	488	490	448	464	415
500	1/12	576	539	541	494	512	459
500	1/18	602	563	566	517	535	480
750	1/3	542	504	507	460	478	426
750	1/6	570	530	533	484	503	448
750	1/12	645	601	604	548	569	507
750	1/18	691	644	647	587	609	543
750	Open	828	768	778	703	734	652
1000	1/6	605	561	565	510	531	471
1000	1/12	684	634	638	576	599	531
1000	1/24	786	728	732	662	688	610
1000	1/36	838	778	781	706	733	651
1000	Open	972	897	908	818	855	756
1250	1/6	649	599	603	543	565	499
1250	1/12	722	667	671	604	629	555
1250	1/24	839	775	779	701	730	644
1250	1/36	903	835	839	755	786	694
1250	Open	1087	1002	1013	910	952	840
1500	Open	1188	1092	1104	989	1037	911
1750	Open	1274	1167	1183	1057	1107	971
2000	Open	1352	1235	1252	1116	1170	1024

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
 in Underground Duct Bank - 1 Circuit - Three Cables - 7.5 in Spacing
 25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

250	1/3	331	313	314	290	299	271
250	1/6	356	336	337	311	321	291
250	1/12	374	353	355	327	337	306
250	1/18	382	358	361	332	344	311
350	1/3	370	348	350	321	332	299
350	1/6	403	379	381	350	361	326
350	1/12	436	410	412	378	391	353
350	1/18	450	423	425	390	403	364
500	1/3	411	385	387	354	366	329
500	1/6	445	417	419	383	397	356
500	1/12	496	465	467	427	442	397
500	1/18	522	489	491	449	465	417
750	1/3	467	435	438	398	413	369
750	1/6	483	450	453	412	427	382
750	1/12	548	511	514	467	485	433
750	1/18	591	551	554	504	523	466
750	Open	733	680	689	624	650	579
1000	1/6	513	477	479	434	451	401
1000	1/12	576	535	538	487	506	450
1000	1/24	669	621	624	565	587	521
1000	1/36	719	668	671	607	631	560
1000	Open	860	794	805	725	757	671
1250	1/6	552	511	514	463	482	427
1250	1/12	607	562	565	509	530	469
1250	1/24	710	657	660	595	619	548
1250	1/36	771	714	717	647	673	595
1250	Open	961	885	897	806	843	744
1500	Open	1048	963	975	875	916	807
1750	Open	1123	1031	1043	933	978	859
2000	Open	1190	1090	1103	985	1033	905

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - 2 Circuits - Six Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Copper Conductor - Concentric Strand

250	1/3	355	321	325	285	301	261
250	1/6	374	337	342	301	317	275
250	1/12	386	349	354	311	328	285
250	1/18	391	353	358	315	332	288
350	1/3	403	362	366	319	338	290
350	1/6	432	388	393	344	363	314
350	1/12	454	409	414	363	383	331
350	1/18	464	418	423	371	392	336
500	1/3	450	401	407	354	373	319
500	1/6	488	436	443	385	406	347
500	1/12	528	473	480	418	441	377
500	1/18	546	489	497	433	456	391
750	1/3	505	446	454	393	415	352
750	1/6	541	478	487	422	445	378
750	1/12	603	534	544	472	497	423
750	1/18	637	565	575	499	526	452
750	Open	735	656	666	578	610	521
1000	1/6	575	505	515	445	470	396
1000	1/12	647	572	581	502	530	448
1000	1/24	725	639	651	564	595	503
1000	1/36	762	672	685	593	625	530
1000	Open	858	759	773	669	708	600
1250	1/6	614	539	547	466	499	418
1250	1/12	689	605	614	525	561	470
1250	1/24	781	687	697	597	637	536
1250	1/36	827	729	739	640	676	569
1250	Open	956	843	859	743	784	664
1500	Open	1041	917	932	805	852	718
1750	Open	1115	977	995	858	908	763
2000	Open	1180	1034	1050	896	958	803

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - 2 Circuits - Six Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Copper Conductor - Concentric Strand

250	1/3	309	279	283	249	262	226
250	1/6	328	296	300	265	278	241
250	1/12	340	308	312	275	289	252
250	1/18	345	312	317	279	294	256
350	1/3	348	313	317	277	292	251
350	1/6	375	338	342	299	316	273
350	1/12	398	358	363	319	336	290
350	1/18	408	367	372	327	344	299
500	1/3	387	346	350	305	322	275
500	1/6	420	376	381	332	350	300
500	1/12	459	411	417	364	384	329
500	1/18	477	428	433	379	399	342
750	1/3	435	386	392	340	358	305
750	1/6	461	410	415	360	380	326
750	1/12	517	460	466	405	428	367
750	1/18	550	490	496	431	455	391
750	Open	652	582	590	514	542	463
1000	1/6	489	431	438	379	400	338
1000	1/12	551	486	494	428	451	382
1000	1/24	624	551	560	485	512	438
1000	1/36	660	583	592	514	542	464
1000	Open	759	673	684	593	626	533
1250	1/6	523	460	466	403	425	357
1250	1/12	584	514	521	450	476	400
1250	1/24	668	589	597	517	546	460
1250	1/36	713	630	638	552	583	493
1250	Open	846	749	760	658	695	590
1500	Open	920	810	824	712	752	637
1750	Open	983	864	878	758	800	676
2000	Open	1039	911	926	799	845	711

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
75% LF										
2	Full	241	64	82.6	213	70	64.5	193	73	52.9
2	1/2	242	64	82.4	214	70	64.3	194	73	52.9
2	1/3	242	64	82.4	214	70	64.3	194	73	52.9
2	1/6	242	64	82.4	214	70	64.3	194	73	52.9
1	Full	275	65	82.7	242	71	64.1	219	74	52.5
1	1/2	276	65	82.4	243	71	63.9	220	74	52.5
1	1/3	277	65	82.4	244	71	63.9	220	74	52.2
1	1/6	277	65	82.2	244	70	63.9	221	74	52.2
1/0	Full	313	66	82.6	275	72	63.7	248	75	51.8
1/0	1/2	315	66	82.2	276	71	63.5	249	75	51.8
1/0	1/3	315	66	82.2	277	71	63.3	250	75	51.8
1/0	1/6	316	66	82.0	277	71	63.3	251	75	51.6
2/0	Full	355	67	82.5	311	73	63.1	280	76	51.4
2/0	1/2	358	67	82.1	314	72	62.9	283	76	51.2
2/0	1/3	359	67	81.9	315	72	62.9	284	76	51.0
2/0	1/6	360	67	81.7	316	72	62.7	285	75	51.0
3/0	Full	402	68	82.2	350	73	62.6	315	77	50.7
3/0	1/2	407	68	81.6	355	73	62.2	319	76	50.5
3/0	1/3	409	68	81.4	357	73	62.0	321	76	50.3
3/0	1/6	411	68	81.0	359	73	61.8	323	76	50.3
4/0	Full	452	69	81.8	393	75	62.0	353	78	49.9
4/0	1/2	461	69	81.1	401	74	61.5	360	77	49.7
4/0	1/3	464	69	80.7	404	74	61.3	363	77	49.5
4/0	1/6	467	69	80.4	407	74	61.1	366	77	49.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	505	69	80.5	439	74	60.8	394	77	49.1
250	1/6	510	69	80.0	444	74	60.6	399	77	48.9
250	1/12	513	69	79.8	447	74	60.4	401	77	48.8
250	1/18	514	69	79.6	447	74	60.4	402	77	48.8
350	1/3	599	71	78.0	519	76	58.6	465	78	47.1
350	1/6	611	70	77.3	530	75	58.1	475	78	46.8
350	1/12	617	70	76.8	535	75	58.0	480	78	46.6
350	1/18	619	70	76.7	537	75	57.8	482	78	46.6
500	1/3	706	73	77.0	609	77	57.2	543	80	45.7
500	1/6	730	72	75.8	631	77	56.6	564	79	45.3
500	1/12	745	72	75.0	644	76	56.1	576	79	44.9
500	1/18	750	71	74.9	648	76	56.0	580	79	44.9
750	1/3	810	74	71.5	696	78	53.0	621	81	42.2
750	1/6	859	73	70.0	741	77	52.2	661	80	41.7
750	1/12	894	72	69.0	772	77	51.5	690	79	41.3
750	1/18	907	72	68.6	784	76	51.3	701	79	41.1
1000	1/6	949	75	68.1	814	79	50.3	725	81	39.9
1000	1/12	1007	74	66.8	866	78	49.5	773	80	39.4
1000	1/24	1043	73	65.9	899	77	49.1	803	80	39.2
1000	1/36	1057	73	65.6	911	77	48.8	814	80	39.1
1250	1/6	1008	74	62.4	866	79	46.1	772	81	36.7
1250	1/12	1084	73	60.8	934	77	45.2	835	80	36.1
1250	1/24	1136	72	59.5	981	77	44.5	878	79	35.7
1250	1/36	1155	72	59.1	999	76	44.2	895	79	35.6
1500	1/6	1045	76	62.0	894	79	45.4	796	82	36.1
1500	1/12	1138	74	60.3	978	78	44.5	872	81	35.5
1500	1/24	1208	73	58.9	1041	77	43.8	930	80	35.0
1500	1/36	1235	73	58.4	1066	77	43.5	953	80	34.8
1750	1/6	1069	77	61.4	913	80	44.9	812	82	35.5
1750	1/12	1176	75	59.7	1008	79	44.0	898	81	34.9
1750	1/24	1262	74	58.3	1085	78	43.2	969	81	34.4
1750	1/36	1297	73	57.7	1117	78	42.9	998	80	34.2
2000	1/6	1088	77	60.8	928	81	44.3	824	83	35.0
2000	1/12	1203	76	59.2	1030	80	43.5	916	82	34.4
2000	1/24	1306	75	57.8	1121	79	42.6	999	81	33.9
2000	1/36	1349	74	57.1	1160	78	42.3	1035	81	33.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
100% LF										
2	Full	222	68	70.2	193	73	52.9	173	77	42.3
2	1/2	223	68	70.0	193	73	52.6	173	77	42.3
2	1/3	223	68	70.0	194	73	52.6	173	77	42.3
2	1/6	223	68	70.0	194	73	52.6	173	77	42.3
1	Full	253	69	69.9	219	74	52.2	195	77	41.7
1	1/2	254	69	69.6	219	74	52.0	196	77	41.7
1	1/3	254	69	69.6	220	74	52.0	196	77	41.7
1	1/6	254	69	69.4	220	74	52.0	197	77	41.7
1/0	Full	287	70	69.5	247	75	51.6	220	78	41.0
1/0	1/2	288	70	69.0	249	75	51.4	222	78	41.0
1/0	1/3	289	70	69.0	249	75	51.4	222	78	41.0
1/0	1/6	289	70	69.0	250	75	51.4	223	78	41.0
2/0	Full	324	71	68.8	279	76	50.8	248	79	40.4
2/0	1/2	327	71	68.4	281	76	50.6	251	79	40.2
2/0	1/3	328	71	68.4	282	76	50.6	251	79	40.2
2/0	1/6	329	71	68.2	283	76	50.6	252	79	40.2
3/0	Full	365	72	68.1	313	77	50.1	278	80	39.5
3/0	1/2	370	72	67.7	318	77	49.9	282	79	39.5
3/0	1/3	372	72	67.5	319	76	49.7	284	79	39.3
3/0	1/6	374	71	67.3	321	76	49.7	285	79	39.3
4/0	Full	410	73	67.5	350	78	49.1	310	80	38.7
4/0	1/2	418	73	66.7	357	77	49.0	317	80	38.5
4/0	1/3	421	73	66.5	360	77	48.8	320	80	38.5
4/0	1/6	425	72	66.3	363	77	48.6	323	80	38.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Temp Flux			Temp Flux			Temp Flux		
		Temp Flux			Temp Flux			Temp Flux		
		Temp Flux			Temp Flux			Temp Flux		
		Temp Flux			Temp Flux			Temp Flux		
		Temp Flux			Temp Flux			Temp Flux		
		Temp Flux			Temp Flux			Temp Flux		
100% LF										
250	1/3	458	73	66.1	391	78	48.4	347	80	38.0
250	1/6	463	73	65.7	395	77	48.2	351	80	38.0
250	1/12	465	73	65.6	398	77	48.0	353	80	37.8
250	1/18	466	73	65.6	399	77	48.0	354	80	37.8
350	1/3	540	74	63.5	460	79	46.1	407	81	36.1
350	1/6	551	74	63.0	469	78	45.8	416	81	35.9
350	1/12	557	74	62.6	475	78	45.6	421	81	35.9
350	1/18	559	74	62.6	477	78	45.6	422	81	35.7
500	1/3	632	76	61.7	535	80	44.3	472	82	34.5
500	1/6	655	76	60.9	555	80	43.9	490	82	34.4
500	1/12	668	75	60.4	567	79	43.7	501	82	34.2
500	1/18	673	75	60.3	572	79	43.6	505	82	34.1
750	1/3	720	77	56.6	608	81	40.3	535	83	31.4
750	1/6	765	76	55.6	648	80	39.9	571	82	31.2
750	1/12	798	76	55.0	676	80	39.5	597	82	30.9
750	1/18	810	76	54.7	687	80	39.4	607	82	30.9
1000	1/6	839	78	53.3	706	81	37.8	622	83	29.4
1000	1/12	892	77	52.5	753	81	37.5	663	83	29.2
1000	1/24	926	77	51.9	782	80	37.2	690	83	29.0
1000	1/36	938	76	51.7	793	80	37.1	700	82	28.9
1250	1/6	887	78	48.3	747	81	34.4	657	83	26.7
1250	1/12	956	77	47.4	808	81	33.9	712	83	26.4
1250	1/24	1004	76	46.7	850	80	33.5	750	82	26.2
1250	1/36	1023	76	46.3	867	80	33.4	765	82	26.1
1500	1/6	914	79	47.5	768	82	33.6	675	84	26.0
1500	1/12	999	78	46.5	842	81	33.1	741	83	25.7
1500	1/24	1063	77	45.7	898	81	32.7	791	83	25.5
1500	1/36	1088	77	45.3	920	80	32.5	811	83	25.4
1750	1/6	932	80	46.7	781	83	32.9	685	85	25.3
1750	1/12	1028	79	45.7	864	82	32.4	759	84	25.0
1750	1/24	1107	78	44.9	933	81	31.9	821	83	24.8
1750	1/36	1139	77	44.5	961	81	31.7	846	83	24.7
2000	1/6	945	80	45.9	790	83	32.2	693	85	24.8
2000	1/12	1048	79	45.0	879	83	31.8	772	84	24.5
2000	1/24	1141	78	44.1	960	82	31.3	844	84	24.2
2000	1/36	1180	78	43.8	994	81	31.1	875	83	24.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
2	Full	225	58	70.0	199	63	54.5	180	66	44.8
2	1/2	226	58	69.8	200	63	54.5	181	66	44.6
2	1/3	226	58	69.8	200	63	54.5	181	66	44.6
2	1/6	226	58	69.8	200	63	54.5	181	66	44.6
1	Full	257	59	70.1	226	64	54.2	204	67	44.3
1	1/2	258	59	69.9	227	64	54.0	205	67	44.3
1	1/3	258	59	69.6	227	64	54.0	206	67	44.3
1	1/6	259	59	69.6	228	64	54.0	206	67	44.3
1/0	Full	292	60	69.9	256	64	54.0	231	67	44.0
1/0	1/2	294	60	69.7	258	64	53.7	233	67	43.8
1/0	1/3	294	60	69.5	258	64	53.7	233	67	43.8
1/0	1/6	295	60	69.5	259	64	53.5	234	67	43.8
2/0	Full	331	61	69.8	290	65	53.5	261	68	43.5
2/0	1/2	334	60	69.4	293	65	53.3	264	68	43.3
2/0	1/3	335	60	69.2	294	65	53.1	265	68	43.3
2/0	1/6	337	60	69.0	295	65	53.1	266	68	43.1
3/0	Full	374	62	69.7	326	66	53.0	294	69	42.9
3/0	1/2	379	61	69.1	331	66	52.6	298	69	42.7
3/0	1/3	381	61	68.9	333	66	52.4	300	68	42.7
3/0	1/6	383	61	68.7	335	66	52.4	301	68	42.5
4/0	Full	421	63	69.3	366	67	52.5	329	70	42.2
4/0	1/2	430	62	68.6	374	67	51.9	336	69	42.0
4/0	1/3	433	62	68.4	377	66	51.8	339	69	41.9
4/0	1/6	436	62	68.0	380	66	51.6	342	69	41.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²
75% LF										
250	1/3	471	63	68.1	409	67	51.5	368	69	41.6
250	1/6	476	62	67.8	414	67	51.3	372	69	41.5
250	1/12	479	62	67.4	417	67	51.1	374	69	41.3
250	1/18	480	62	67.4	418	67	51.1	375	69	41.3
350	1/3	558	64	66.1	483	68	49.6	433	70	39.9
350	1/6	569	63	65.5	494	68	49.3	443	70	39.6
350	1/12	576	63	65.0	500	67	49.1	448	70	39.4
350	1/18	578	63	65.0	501	67	48.9	450	70	39.4
500	1/3	656	66	65.2	565	69	48.5	505	71	38.7
500	1/6	680	65	64.1	587	69	47.9	525	71	38.4
500	1/12	694	65	63.5	600	68	47.6	537	71	38.0
500	1/18	699	64	63.4	604	68	47.4	541	71	38.0
750	1/3	750	66	60.7	644	70	44.9	574	72	35.7
750	1/6	797	66	59.4	687	69	44.2	613	71	35.3
750	1/12	831	65	58.4	718	69	43.7	641	71	34.9
750	1/18	844	65	58.0	729	69	43.4	652	71	34.7
1000	1/6	878	67	57.7	753	70	42.5	670	72	33.7
1000	1/12	934	66	56.5	803	70	41.9	716	72	33.4
1000	1/24	969	66	55.8	835	69	41.5	745	72	33.1
1000	1/36	982	65	55.6	847	69	41.3	756	71	33.0
1250	1/6	931	67	53.0	799	70	39.1	712	72	31.1
1250	1/12	1003	66	51.5	864	69	38.3	772	72	30.6
1250	1/24	1054	65	50.5	910	69	37.7	814	71	30.2
1250	1/36	1073	65	50.0	927	69	37.5	830	71	30.1
1500	1/6	963	68	52.6	824	71	38.5	733	73	30.6
1500	1/12	1051	67	51.0	903	70	37.7	805	72	30.1
1500	1/24	1118	66	49.9	963	69	37.1	861	72	29.7
1500	1/36	1145	65	49.4	987	69	36.8	883	71	29.5
1750	1/6	985	69	52.1	841	72	38.0	747	74	30.1
1750	1/12	1084	68	50.6	929	71	37.3	827	73	29.6
1750	1/24	1167	67	49.4	1003	70	36.5	895	72	29.2
1750	1/36	1201	66	48.9	1034	70	36.2	923	72	29.0
2000	1/6	1002	69	51.6	854	72	37.5	758	74	29.6
2000	1/12	1109	68	50.2	948	71	36.8	843	73	29.2
2000	1/24	1206	67	48.9	1035	71	36.1	922	73	28.7
2000	1/36	1248	67	48.4	1072	70	35.8	957	72	28.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²		
100% LF										
2	Full	208	61	59.5	180	66	44.6	161	69	35.7
2	1/2	208	61	59.3	181	66	44.6	162	69	35.7
2	1/3	208	61	59.3	181	66	44.6	162	69	35.7
2	1/6	209	61	59.3	181	66	44.6	162	69	35.7
1	Full	236	62	59.1	204	67	44.1	182	69	35.3
1	1/2	237	62	58.8	205	67	44.1	183	69	35.3
1	1/3	237	62	58.8	205	67	44.1	183	69	35.3
1	1/6	238	62	58.8	206	67	44.1	184	69	35.3
1/0	Full	268	63	58.6	231	67	43.8	206	70	34.8
1/0	1/2	269	63	58.4	232	67	43.5	207	70	34.6
1/0	1/3	270	63	58.4	233	67	43.5	207	70	34.6
1/0	1/6	270	63	58.4	233	67	43.5	208	70	34.6
2/0	Full	303	64	58.2	260	68	43.1	231	71	34.1
2/0	1/2	305	64	58.0	263	68	42.9	234	70	34.1
2/0	1/3	306	64	57.8	264	68	42.9	235	70	34.1
2/0	1/6	308	64	57.8	265	68	42.9	236	70	33.9
3/0	Full	341	65	57.7	292	69	42.5	259	71	33.5
3/0	1/2	346	65	57.3	296	69	42.3	263	71	33.5
3/0	1/3	347	64	57.1	298	69	42.1	265	71	33.3
3/0	1/6	349	64	56.9	300	68	42.1	266	71	33.3
4/0	Full	382	66	57.2	326	70	41.7	289	72	32.9
4/0	1/2	390	65	56.6	333	69	41.5	296	72	32.7
4/0	1/3	393	65	56.4	336	69	41.3	298	72	32.5
4/0	1/6	396	65	56.1	339	69	41.1	301	71	32.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²		
100% LF										
250	1/3	427	66	56.1	364	70	40.9	323	72	32.1
250	1/6	432	66	55.7	369	69	40.7	327	72	32.1
250	1/12	434	65	55.5	371	69	40.7	329	72	32.1
250	1/18	435	65	55.5	372	69	40.5	330	72	32.0
350	1/3	503	67	53.8	428	71	38.9	379	73	30.6
350	1/6	514	66	53.3	438	70	38.8	387	72	30.4
350	1/12	520	66	53.1	443	70	38.6	392	72	30.4
350	1/18	522	66	52.9	445	70	38.6	394	72	30.2
500	1/3	587	68	52.3	497	72	37.6	438	74	29.3
500	1/6	610	68	51.7	517	71	37.1	456	73	29.0
500	1/12	623	68	51.2	529	71	37.0	467	73	29.0
500	1/18	628	67	51.1	533	71	36.8	471	73	28.8
750	1/3	666	69	47.9	562	72	34.2	495	74	26.6
750	1/6	710	69	47.1	600	72	33.8	529	74	26.4
750	1/12	742	68	46.6	628	71	33.5	554	73	26.2
750	1/18	754	68	46.3	639	71	33.4	564	73	26.1
1000	1/6	776	70	45.2	653	73	32.1	574	74	24.9
1000	1/12	827	69	44.5	698	72	31.7	615	74	24.7
1000	1/24	860	69	44.0	727	72	31.5	640	74	24.6
1000	1/36	872	69	43.9	737	72	31.5	650	74	24.5
1250	1/6	818	70	41.0	689	73	29.1	606	74	22.6
1250	1/12	885	69	40.1	748	72	28.7	659	74	22.4
1250	1/24	931	68	39.5	788	72	28.4	696	73	22.2
1250	1/36	949	68	39.3	804	71	28.3	710	73	22.1
1500	1/6	843	71	40.3	707	74	28.5	621	75	22.0
1500	1/12	923	70	39.4	777	73	28.0	684	74	21.8
1500	1/24	984	69	38.7	831	72	27.7	732	74	21.6
1500	1/36	1009	69	38.4	853	72	27.5	752	74	21.5
1750	1/6	858	71	39.6	719	74	27.8	630	75	21.5
1750	1/12	948	71	38.7	796	73	27.4	700	75	21.2
1750	1/24	1023	70	38.1	862	73	27.0	758	74	21.0
1750	1/36	1054	69	37.7	889	72	26.9	783	74	20.9
2000	1/6	869	72	38.9	727	74	27.3	637	76	21.0
2000	1/12	965	71	38.1	809	74	26.9	710	75	20.8
2000	1/24	1053	70	37.4	886	73	26.5	779	75	20.5
2000	1/36	1091	70	37.0	919	73	26.3	808	74	20.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface Temp Flux								
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps °C w/ft ²			Amps °C w/ft ²			Amps °C w/ft ²		
		75% LF								
2	Full	217	55	63.6	191	59	49.6	173	62	40.7
2	1/2	217	55	63.4	192	59	49.4	174	62	40.7
2	1/3	217	55	63.4	192	59	49.4	174	62	40.7
2	1/6	218	55	63.4	192	59	49.4	174	62	40.7
1	Full	247	56	63.7	217	60	49.4	196	63	40.3
1	1/2	248	56	63.5	218	60	49.2	197	63	40.3
1	1/3	248	56	63.5	218	60	49.2	198	63	40.3
1	1/6	249	56	63.3	219	60	49.2	198	63	40.1
1/0	Full	281	57	63.5	246	61	49.1	222	64	39.9
1/0	1/2	282	56	63.3	248	61	48.9	224	63	39.9
1/0	1/3	283	56	63.3	248	61	48.9	224	63	39.7
1/0	1/6	283	56	63.1	249	61	48.6	225	63	39.7
2/0	Full	318	57	63.5	278	62	48.6	251	64	39.6
2/0	1/2	321	57	63.1	281	61	48.4	253	64	39.4
2/0	1/3	322	57	62.9	282	61	48.4	254	64	39.4
2/0	1/6	323	57	62.9	283	61	48.2	255	64	39.2
3/0	Full	359	58	63.4	313	62	48.1	282	65	38.9
3/0	1/2	364	58	62.8	318	62	47.9	286	65	38.7
3/0	1/3	366	58	62.6	320	62	47.7	288	64	38.7
3/0	1/6	368	58	62.4	322	62	47.6	290	64	38.7
4/0	Full	404	59	63.2	351	63	47.7	315	65	38.5
4/0	1/2	412	59	62.4	359	63	47.3	322	65	38.1
4/0	1/3	416	59	62.0	362	63	47.1	325	65	38.1
4/0	1/6	419	59	61.9	365	63	46.9	328	65	37.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²
75% LF										
250	1/3	452	59	61.9	393	63	46.9	353	65	37.8
250	1/6	457	59	61.5	398	63	46.6	357	65	37.6
250	1/12	460	59	61.4	400	63	46.6	360	65	37.6
250	1/18	461	59	61.2	401	63	46.4	360	65	37.6
350	1/3	536	60	60.1	464	64	45.1	415	66	36.2
350	1/6	547	60	59.5	474	64	44.8	425	66	36.1
350	1/12	553	60	59.1	480	64	44.6	430	66	35.9
350	1/18	555	60	59.0	482	63	44.4	432	66	35.9
500	1/3	629	62	59.4	542	65	44.0	484	67	35.1
500	1/6	652	61	58.4	563	65	43.6	503	67	34.8
500	1/12	666	61	57.8	576	65	43.3	515	67	34.7
500	1/18	671	61	57.5	580	64	43.1	519	67	34.5
750	1/3	717	63	55.2	616	66	40.7	549	68	32.5
750	1/6	763	62	54.0	657	65	40.2	587	67	32.1
750	1/12	797	61	53.1	688	65	39.7	615	67	31.8
750	1/18	809	61	52.9	699	65	39.5	625	67	31.7
1000	1/6	839	63	52.5	719	66	38.7	641	68	30.7
1000	1/12	894	63	51.5	768	66	38.1	685	68	30.4
1000	1/24	929	62	50.7	800	65	37.7	714	67	30.1
1000	1/36	941	62	50.5	811	65	37.6	725	67	30.0
1250	1/6	889	63	48.2	763	66	35.6	680	68	28.3
1250	1/12	960	62	46.9	826	65	34.8	738	67	27.9
1250	1/24	1009	61	45.9	871	65	34.3	779	67	27.4
1250	1/36	1027	61	45.5	888	65	34.1	795	67	27.3
1500	1/6	919	64	47.8	786	67	35.1	699	69	27.8
1500	1/12	1004	63	46.4	863	66	34.3	769	68	27.4
1500	1/24	1070	62	45.4	921	65	33.8	823	67	27.0
1500	1/36	1096	62	44.9	945	65	33.5	844	67	26.8
1750	1/6	939	65	47.4	802	68	34.6	712	69	27.3
1750	1/12	1035	64	46.1	887	67	33.8	789	68	26.9
1750	1/24	1115	63	45.0	959	66	33.3	855	68	26.6
1750	1/36	1149	62	44.4	989	66	33.0	883	68	26.4
2000	1/6	955	65	46.9	814	68	34.1	722	70	26.9
2000	1/12	1058	64	45.7	904	67	33.5	804	69	26.5
2000	1/24	1152	63	44.5	988	66	32.9	880	68	26.2
2000	1/36	1193	63	44.0	1025	66	32.5	914	68	26.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
100% LF										
2	Full	200	58	54.0	173	62	40.7	155	65	32.5
2	1/2	200	58	54.0	173	62	40.5	155	65	32.5
2	1/3	200	58	53.8	174	62	40.5	155	65	32.5
2	1/6	200	58	53.8	174	62	40.5	156	65	32.5
1	Full	227	59	53.8	196	63	40.1	175	65	32.2
1	1/2	228	59	53.6	197	63	40.1	176	65	32.0
1	1/3	228	59	53.6	197	63	40.1	176	65	32.0
1	1/6	228	59	53.6	198	63	40.1	176	65	32.0
1/0	Full	257	60	53.3	221	64	39.7	197	66	31.7
1/0	1/2	259	59	53.1	223	63	39.5	199	66	31.4
1/0	1/3	259	59	53.1	223	63	39.5	199	66	31.4
1/0	1/6	260	59	53.1	224	63	39.5	200	66	31.4
2/0	Full	291	60	53.1	250	64	39.2	222	66	31.0
2/0	1/2	293	60	52.7	252	64	39.0	225	66	31.0
2/0	1/3	294	60	52.7	253	64	39.0	225	66	30.8
2/0	1/6	295	60	52.5	254	64	39.0	226	66	30.8
3/0	Full	327	61	52.4	280	65	38.5	249	67	30.5
3/0	1/2	332	61	52.1	284	65	38.4	253	67	30.3
3/0	1/3	334	61	52.1	286	65	38.4	254	67	30.3
3/0	1/6	336	61	51.9	288	65	38.2	256	67	30.3
4/0	Full	367	62	51.9	313	66	37.9	277	68	29.9
4/0	1/2	374	62	51.4	320	65	37.6	284	67	29.7
4/0	1/3	377	62	51.2	323	65	37.6	286	67	29.5
4/0	1/6	381	61	51.0	326	65	37.4	289	67	29.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
100% LF										
250	1/3	410	62	50.9	350	66	37.3	310	68	29.2
250	1/6	415	62	50.6	354	65	37.1	314	67	29.2
250	1/12	417	62	50.6	357	65	36.9	316	67	29.2
250	1/18	418	62	50.4	357	65	36.9	317	67	29.0
350	1/3	483	63	48.9	411	66	35.4	363	68	27.7
350	1/6	493	63	48.4	420	66	35.2	372	68	27.7
350	1/12	499	63	48.3	425	66	35.1	377	68	27.6
350	1/18	501	62	48.1	427	66	35.1	378	68	27.6
500	1/3	563	65	47.6	476	68	34.1	420	69	26.5
500	1/6	585	64	46.9	496	67	33.7	438	69	26.4
500	1/12	598	64	46.6	507	67	33.6	448	69	26.2
500	1/18	602	64	46.5	511	67	33.6	452	69	26.2
750	1/3	637	65	43.7	538	68	31.2	473	70	24.2
750	1/6	680	65	42.9	575	68	30.8	507	69	24.0
750	1/12	711	64	42.3	602	67	30.5	531	69	23.8
750	1/18	723	64	42.2	612	67	30.4	541	69	23.7
1000	1/6	742	66	41.1	624	69	29.2	549	70	22.7
1000	1/12	792	65	40.5	668	68	28.9	588	70	22.4
1000	1/24	824	65	40.0	696	68	28.7	613	69	22.3
1000	1/36	836	65	39.9	707	68	28.6	623	69	22.3
1250	1/6	782	66	37.3	658	69	26.5	579	70	20.6
1250	1/12	846	65	36.5	715	68	26.1	630	70	20.3
1250	1/24	892	64	35.9	755	67	25.8	666	69	20.2
1250	1/36	909	64	35.7	770	67	25.7	680	69	20.1
1500	1/6	804	67	36.6	675	69	25.9	592	71	20.1
1500	1/12	882	66	35.9	742	68	25.5	653	70	19.8
1500	1/24	941	65	35.2	795	68	25.2	700	70	19.6
1500	1/36	965	65	35.0	816	68	25.1	719	69	19.5
1750	1/6	818	67	36.0	685	70	25.3	601	71	19.6
1750	1/12	905	66	35.3	760	69	24.9	667	70	19.3
1750	1/24	978	66	34.6	824	68	24.6	724	70	19.1
1750	1/36	1008	65	34.3	850	68	24.5	749	70	19.0
2000	1/6	829	68	35.4	693	70	24.8	607	71	19.1
2000	1/12	921	67	34.7	772	69	24.5	677	71	18.9
2000	1/24	1006	66	34.0	846	69	24.1	743	70	18.7
2000	1/36	1043	66	33.7	878	68	23.9	772	70	18.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	75% LF								
		2	Full	197	49	50.8	174	53	39.6	157
2	1/2	197	49	50.8	174	53	39.6	158	55	32.5
2	1/3	198	49	50.8	174	53	39.6	158	55	32.5
2	1/6	198	49	50.8	175	52	39.6	158	55	32.5
1	Full	224	50	50.9	197	53	39.5	178	55	32.2
1	1/2	225	50	50.7	198	53	39.5	179	55	32.2
1	1/3	226	50	50.7	198	53	39.2	180	55	32.2
1	1/6	226	50	50.7	199	53	39.2	180	55	32.2
1/0	Full	255	50	51.0	223	54	39.3	202	56	32.1
1/0	1/2	256	50	50.8	225	54	39.1	203	56	31.9
1/0	1/3	257	50	50.6	226	54	39.1	204	56	31.9
1/0	1/6	258	50	50.6	226	54	38.9	204	56	31.9
2/0	Full	289	51	50.8	253	54	39.0	227	56	31.6
2/0	1/2	292	51	50.4	255	54	38.8	230	56	31.4
2/0	1/3	293	51	50.4	256	54	38.6	231	56	31.4
2/0	1/6	294	51	50.2	257	54	38.6	232	56	31.4
3/0	Full	326	52	50.7	284	55	38.5	255	57	31.3
3/0	1/2	331	51	50.3	289	55	38.4	260	57	31.1
3/0	1/3	333	51	50.1	290	55	38.2	261	57	30.9
3/0	1/6	335	51	49.9	292	55	38.2	263	57	30.9
4/0	Full	366	53	50.6	318	56	38.1	285	57	30.8
4/0	1/2	374	52	49.9	325	55	37.9	292	57	30.6
4/0	1/3	377	52	49.7	328	55	37.7	295	57	30.5
4/0	1/6	381	52	49.5	331	55	37.6	298	57	30.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface Temp Flux								
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps °C w/ft ²			Amps °C w/ft ²			Amps °C w/ft ²		
		75% LF								
250	1/3	410	52	49.7	356	56	37.4	320	57	30.3
250	1/6	415	52	49.3	361	55	37.3	324	57	30.1
250	1/12	418	52	49.1	364	55	37.3	326	57	30.1
250	1/18	419	52	48.9	364	55	37.3	327	57	29.9
350	1/3	485	53	48.1	420	56	36.1	376	58	29.1
350	1/6	496	53	47.6	430	56	35.9	385	58	28.9
350	1/12	502	53	47.3	435	56	35.7	390	58	28.7
350	1/18	504	53	47.3	437	56	35.6	392	58	28.7
500	1/3	568	55	47.6	489	57	35.3	436	59	28.2
500	1/6	590	54	46.8	509	57	34.8	455	59	27.9
500	1/12	604	54	46.3	521	57	34.5	466	58	27.8
500	1/18	609	54	46.0	526	57	34.5	470	58	27.6
750	1/3	646	55	44.2	554	58	32.6	494	59	26.0
750	1/6	688	55	43.3	593	57	32.2	529	59	25.7
750	1/12	720	54	42.6	621	57	31.8	555	59	25.4
750	1/18	732	54	42.3	632	57	31.6	565	58	25.3
1000	1/6	754	56	42.1	646	58	31.0	575	60	24.6
1000	1/12	805	55	41.2	692	58	30.5	617	59	24.3
1000	1/24	839	55	40.6	722	57	30.1	644	59	24.1
1000	1/36	851	54	40.4	733	57	30.0	654	59	24.0
1250	1/6	798	56	38.6	684	58	28.5	609	60	22.6
1250	1/12	863	55	37.6	743	57	27.9	663	59	22.3
1250	1/24	909	54	36.7	785	57	27.4	702	59	22.0
1250	1/36	927	54	36.4	801	57	27.2	717	58	21.9
1500	1/6	823	56	38.3	704	59	28.1	626	60	22.3
1500	1/12	902	56	37.3	774	58	27.5	689	59	21.9
1500	1/24	963	55	36.4	829	57	27.0	740	59	21.6
1500	1/36	987	54	36.0	851	57	26.8	760	59	21.5
1750	1/6	841	57	38.0	718	59	27.7	637	60	21.9
1750	1/12	929	56	36.9	795	59	27.1	707	60	21.6
1750	1/24	1004	55	36.1	862	58	26.7	769	59	21.2
1750	1/36	1035	55	35.6	890	58	26.4	794	59	21.1
2000	1/6	854	57	37.6	727	60	27.3	645	61	21.6
2000	1/12	947	57	36.7	809	59	26.8	719	60	21.2
2000	1/24	1034	56	35.6	886	58	26.3	789	60	20.9
2000	1/36	1072	55	35.2	921	58	26.1	821	59	20.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----					
		Amps	°C	w/ft ²	Temp	Flux	Amps	°C	w/ft ²	Temp	Flux	Amps	°C
		Interface Temp Flux Amps °C w/ft ²											
		Interface Temp Flux Amps °C w/ft ²											
		Interface Temp Flux Amps °C w/ft ²											
		Interface Temp Flux Amps °C w/ft ²											
		100% LF											
2	Full	181	51	43.2	157	55	32.5	141	57	26.1			
2	1/2	182	51	43.0	158	55	32.5	141	57	26.1			
2	1/3	182	51	43.0	158	55	32.5	141	57	26.1			
2	1/6	182	51	43.0	158	55	32.5	141	57	26.1			
1	Full	206	52	43.0	178	55	32.2	159	57	25.6			
1	1/2	207	52	43.0	179	55	32.2	160	57	25.6			
1	1/3	207	52	42.8	179	55	32.0	160	57	25.6			
1	1/6	208	52	42.8	179	55	32.0	160	57	25.6			
1/0	Full	233	53	42.7	201	56	31.9	179	58	25.3			
1/0	1/2	235	53	42.5	202	56	31.7	181	58	25.3			
1/0	1/3	235	53	42.5	203	56	31.7	181	58	25.3			
1/0	1/6	236	53	42.5	204	56	31.7	182	58	25.3			
2/0	Full	264	53	42.5	226	56	31.4	201	58	24.9			
2/0	1/2	266	53	42.3	229	56	31.2	204	58	24.7			
2/0	1/3	267	53	42.1	230	56	31.2	205	58	24.7			
2/0	1/6	268	53	42.1	231	56	31.0	206	58	24.7			
3/0	Full	297	54	42.1	254	57	30.9	226	59	24.5			
3/0	1/2	301	54	41.7	258	57	30.7	229	59	24.3			
3/0	1/3	303	54	41.7	260	57	30.7	231	58	24.3			
3/0	1/6	305	54	41.5	261	57	30.5	232	58	24.3			
4/0	Full	332	55	41.7	283	58	30.3	251	59	23.9			
4/0	1/2	339	54	41.1	290	57	30.1	257	59	23.7			
4/0	1/3	342	54	41.1	293	57	30.1	260	59	23.7			
4/0	1/6	346	54	40.9	296	57	29.9	262	59	23.5			

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	372	55	40.7	317	58	29.8	281	59	23.4
250	1/6	376	55	40.5	322	57	29.6	285	59	23.4
250	1/12	379	54	40.4	324	57	29.6	287	59	23.4
250	1/18	380	54	40.4	325	57	29.6	288	59	23.4
350	1/3	437	56	39.1	372	58	28.4	329	60	22.2
350	1/6	447	55	38.8	381	58	28.2	337	59	22.2
350	1/12	453	55	38.6	386	58	28.1	341	59	22.0
350	1/18	455	55	38.6	387	58	28.1	343	59	22.0
500	1/3	509	57	38.2	430	59	27.3	379	60	21.3
500	1/6	529	56	37.6	448	59	27.0	396	60	21.2
500	1/12	542	56	37.3	459	59	26.8	406	60	21.0
500	1/18	546	56	37.1	464	58	26.8	409	60	21.0
750	1/3	574	57	35.0	484	60	24.9	425	61	19.4
750	1/6	613	57	34.3	518	59	24.6	456	60	19.2
750	1/12	642	56	33.9	544	59	24.4	480	60	19.0
750	1/18	654	56	33.8	554	59	24.4	489	60	19.0
1000	1/6	667	58	32.9	561	60	23.4	493	61	18.1
1000	1/12	713	57	32.4	601	59	23.1	529	61	18.0
1000	1/24	744	57	32.1	628	59	22.9	553	61	17.8
1000	1/36	755	57	31.9	638	59	22.9	562	60	17.8
1250	1/6	701	58	29.9	590	60	21.2	518	61	16.5
1250	1/12	761	57	29.2	642	59	20.9	566	61	16.3
1250	1/24	804	57	28.8	680	59	20.7	600	60	16.2
1250	1/36	820	56	28.6	695	59	20.6	613	60	16.0
1500	1/6	720	58	29.4	604	60	20.8	530	61	16.0
1500	1/12	791	58	28.8	666	60	20.5	585	61	15.8
1500	1/24	847	57	28.2	715	59	20.2	629	61	15.6
1500	1/36	870	57	28.0	735	59	20.1	647	61	15.6
1750	1/6	733	59	28.9	613	61	20.3	537	62	15.6
1750	1/12	811	58	28.3	681	60	20.0	598	61	15.4
1750	1/24	880	58	27.7	740	60	19.8	651	61	15.3
1750	1/36	908	57	27.4	766	60	19.6	674	61	15.2
2000	1/6	741	59	28.4	619	61	19.9	542	62	15.3
2000	1/12	824	59	27.8	690	61	19.6	605	62	15.1
2000	1/24	903	58	27.3	759	60	19.3	666	61	14.9
2000	1/36	938	58	27.0	789	60	19.2	693	61	14.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface Temp Flux								
		60 Rho			90 Rho			120 Rho		
		75% LF								
2	Full	159	40	31.8	141	42	24.7	127	44	20.4
2	1/2	160	40	31.8	141	42	24.7	128	44	20.4
2	1/3	160	40	31.8	141	42	24.7	128	44	20.4
2	1/6	160	40	31.6	141	42	24.7	128	44	20.4
1	Full	182	40	32.0	160	43	24.7	144	44	20.3
1	1/2	182	40	31.7	160	43	24.7	145	44	20.1
1	1/3	183	40	31.7	161	43	24.5	145	44	20.1
1	1/6	183	40	31.7	161	43	24.5	145	44	20.1
1/0	Full	206	41	31.9	181	43	24.4	163	44	20.0
1/0	1/2	208	41	31.7	182	43	24.4	164	44	20.0
1/0	1/3	208	41	31.7	182	43	24.4	165	44	20.0
1/0	1/6	209	41	31.7	183	43	24.4	165	44	20.0
2/0	Full	233	41	31.8	204	43	24.3	184	45	19.8
2/0	1/2	236	41	31.6	206	43	24.3	186	45	19.6
2/0	1/3	237	41	31.4	207	43	24.1	187	45	19.6
2/0	1/6	238	41	31.4	208	43	24.1	187	45	19.6
3/0	Full	263	42	31.7	229	44	24.1	206	45	19.6
3/0	1/2	267	42	31.5	233	44	23.9	210	45	19.4
3/0	1/3	269	42	31.3	235	44	23.9	211	45	19.4
3/0	1/6	271	41	31.1	236	44	23.9	212	45	19.4
4/0	Full	295	42	31.8	256	44	23.9	230	45	19.2
4/0	1/2	302	42	31.2	262	44	23.7	235	45	19.1
4/0	1/3	305	42	31.0	265	44	23.5	238	45	19.1
4/0	1/6	308	42	30.8	268	44	23.5	240	45	19.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	331	42	31.0	288	44	23.4	258	45	19.0
250	1/6	336	42	30.9	292	44	23.4	262	45	18.8
250	1/12	338	42	30.7	294	44	23.2	264	45	18.8
250	1/18	339	42	30.7	295	44	23.2	264	45	18.8
350	1/3	391	43	30.2	338	45	22.5	302	46	18.2
350	1/6	400	43	29.7	346	44	22.4	310	46	18.0
350	1/12	405	42	29.6	351	44	22.2	315	45	17.9
350	1/18	407	42	29.6	353	44	22.2	316	45	17.9
500	1/3	456	44	29.8	392	45	22.1	349	46	17.6
500	1/6	475	43	29.3	409	45	21.8	365	46	17.5
500	1/12	487	43	29.0	420	45	21.6	375	46	17.3
500	1/18	491	43	28.8	424	45	21.5	379	46	17.2
750	1/3	515	44	27.7	441	46	20.5	392	47	16.2
750	1/6	550	44	27.2	473	45	20.1	422	46	16.0
750	1/12	578	43	26.6	498	45	19.8	444	46	15.8
750	1/18	588	43	26.5	507	45	19.7	453	46	15.8
1000	1/6	600	44	26.4	513	46	19.4	456	47	15.4
1000	1/12	643	44	25.8	552	46	19.0	491	46	15.2
1000	1/24	672	44	25.4	577	45	18.8	515	46	15.1
1000	1/36	682	44	25.3	587	45	18.8	524	46	14.9
1250	1/6	633	44	24.2	542	46	17.8	482	47	14.1
1250	1/12	687	44	23.5	591	45	17.4	526	46	13.9
1250	1/24	727	43	23.0	626	45	17.2	559	46	13.7
1250	1/36	742	43	22.8	641	45	17.0	572	46	13.6
1500	1/6	651	45	24.0	556	46	17.6	494	47	13.9
1500	1/12	715	44	23.4	613	46	17.2	545	47	13.6
1500	1/24	767	44	22.8	659	45	16.8	588	46	13.4
1500	1/36	788	44	22.6	678	45	16.7	605	46	13.3
1750	1/6	665	45	23.8	566	46	17.4	502	47	13.6
1750	1/12	735	45	23.1	628	46	17.0	558	47	13.4
1750	1/24	798	44	22.5	684	46	16.7	609	47	13.2
1750	1/36	825	44	22.2	708	45	16.5	631	46	13.1
2000	1/6	675	45	23.5	573	47	17.0	508	47	13.4
2000	1/12	748	45	22.9	638	46	16.8	566	47	13.3
2000	1/24	820	44	22.4	702	46	16.4	624	47	13.1
2000	1/36	853	44	22.0	731	46	16.3	651	47	13.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

		---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr	Neut.									
Size	Size									
		100% LF								
2	Full	147	42	27.0	127	44	20.4	114	45	16.2
2	1/2	147	42	27.0	128	44	20.4	114	45	16.2
2	1/3	147	42	27.0	128	44	20.4	114	45	16.2
2	1/6	148	42	27.0	128	44	20.4	114	45	16.2
1	Full	167	42	26.9	144	44	20.1	128	45	16.1
1	1/2	168	42	26.9	145	44	20.1	129	45	16.1
1	1/3	168	42	26.9	145	44	20.1	129	45	16.1
1	1/6	168	42	26.7	145	44	20.1	130	45	16.1
1/0	Full	189	42	26.8	162	44	20.0	145	46	15.7
1/0	1/2	190	42	26.6	164	44	19.8	146	45	15.7
1/0	1/3	191	42	26.6	164	44	19.8	146	45	15.7
1/0	1/6	191	42	26.6	165	44	19.8	147	45	15.7
2/0	Full	213	43	26.5	183	45	19.6	163	46	15.5
2/0	1/2	215	43	26.3	185	45	19.6	165	46	15.5
2/0	1/3	216	43	26.3	186	45	19.4	165	46	15.5
2/0	1/6	217	43	26.3	187	45	19.4	166	46	15.5
3/0	Full	239	43	26.4	205	45	19.4	182	46	15.3
3/0	1/2	243	43	26.0	208	45	19.2	185	46	15.3
3/0	1/3	245	43	26.0	210	45	19.2	186	46	15.3
3/0	1/6	247	43	26.0	211	45	19.2	188	46	15.1
4/0	Full	268	44	26.0	228	45	19.1	202	46	14.9
4/0	1/2	274	43	25.8	234	45	18.9	207	46	14.9
4/0	1/3	277	43	25.6	236	45	18.9	209	46	14.8
4/0	1/6	280	43	25.6	239	45	18.7	212	46	14.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	300	44	25.6	256	45	18.6	227	46	14.6
250	1/6	304	44	25.4	260	45	18.6	230	46	14.6
250	1/12	307	43	25.2	262	45	18.4	232	46	14.6
250	1/18	307	43	25.2	262	45	18.4	233	46	14.6
350	1/3	352	44	24.6	299	46	17.7	264	47	13.9
350	1/6	361	44	24.2	307	46	17.7	271	47	13.9
350	1/12	366	44	24.2	311	46	17.5	275	47	13.9
350	1/18	368	44	24.1	313	46	17.5	277	47	13.9
500	1/3	408	45	23.9	344	46	17.2	303	47	13.3
500	1/6	426	45	23.6	360	46	16.9	317	47	13.2
500	1/12	437	44	23.3	370	46	16.9	326	47	13.2
500	1/18	441	44	23.3	373	46	16.7	330	47	13.2
750	1/3	457	45	22.0	385	47	15.6	338	47	12.1
750	1/6	490	45	21.6	413	46	15.4	364	47	12.0
750	1/12	515	45	21.3	436	46	15.3	384	47	12.0
750	1/18	525	45	21.2	444	46	15.2	392	47	11.8
1000	1/6	530	46	20.6	445	47	14.7	391	48	11.3
1000	1/12	569	45	20.2	479	47	14.5	421	47	11.2
1000	1/24	596	45	20.0	503	46	14.3	442	47	11.2
1000	1/36	606	45	20.0	511	46	14.3	450	47	11.1
1250	1/6	556	46	18.8	467	47	13.3	410	48	10.3
1250	1/12	606	45	18.4	510	47	13.1	449	47	10.1
1250	1/24	642	45	18.1	543	46	13.0	478	47	10.1
1250	1/36	657	45	17.9	555	46	12.9	489	47	10.0
1500	1/6	569	46	18.5	477	47	12.9	418	48	10.0
1500	1/12	628	46	18.1	527	47	12.8	463	48	9.9
1500	1/24	675	45	17.7	569	47	12.6	500	47	9.8
1500	1/36	694	45	17.6	586	46	12.5	515	47	9.7
1750	1/6	579	46	18.1	484	47	12.7	423	48	9.8
1750	1/12	642	46	17.7	538	47	12.6	472	48	9.7
1750	1/24	699	45	17.4	588	47	12.4	516	48	9.6
1750	1/36	724	45	17.2	609	47	12.3	535	47	9.5
2000	1/6	585	47	17.8	488	48	12.4	427	48	9.6
2000	1/12	651	46	17.4	544	47	12.3	476	48	9.5
2000	1/24	716	46	17.0	601	47	12.1	527	48	9.4
2000	1/36	745	46	16.9	626	47	12.0	550	48	9.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Cond'r Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface Temp Flux			Interface Temp Flux			Interface Temp Flux		
75% LF										
2	Full	216	69	66.3	188	74	50.1	168	77	40.3
2	1/2	217	69	66.1	188	74	49.9	169	77	40.3
2	1/3	217	69	66.1	188	74	49.9	169	77	40.3
2	1/6	217	69	66.1	189	74	49.9	169	77	40.3
1	Full	246	70	65.9	213	75	49.4	190	78	39.7
1	1/2	247	70	65.7	213	75	49.4	191	78	39.5
1	1/3	247	70	65.7	214	75	49.4	191	78	39.5
1	1/6	247	70	65.7	214	75	49.4	192	78	39.5
1/0	Full	278	71	65.4	240	76	48.9	215	79	38.9
1/0	1/2	280	71	65.2	242	76	48.6	216	79	38.9
1/0	1/3	280	71	65.0	242	76	48.6	216	79	38.9
1/0	1/6	281	71	65.0	243	76	48.6	217	79	38.9
2/0	Full	314	72	64.7	271	77	48.0	241	79	38.2
2/0	1/2	317	72	64.3	273	77	47.8	244	79	38.2
2/0	1/3	318	72	64.3	274	76	47.8	245	79	38.2
2/0	1/6	319	72	64.1	275	76	47.8	246	79	38.0
3/0	Full	354	73	64.0	304	78	47.2	271	80	37.4
3/0	1/2	359	73	63.6	308	77	47.0	275	80	37.4
3/0	1/3	361	73	63.4	310	77	47.0	276	80	37.2
3/0	1/6	362	73	63.2	312	77	46.8	278	80	37.2
4/0	Full	397	74	63.2	339	78	46.3	302	81	36.6
4/0	1/2	405	74	62.6	347	78	46.0	308	81	36.4
4/0	1/3	408	74	62.4	349	78	46.0	311	81	36.4
4/0	1/6	411	73	62.2	352	78	45.8	314	80	36.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface Temp Flux								
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps °C w/ft ²			Amps °C w/ft ²			Amps °C w/ft ²		
		75% LF								
250	1/3	443	74	61.9	379	78	45.5	337	81	36.0
250	1/6	448	74	61.5	383	78	45.3	341	81	35.8
250	1/12	450	74	61.5	386	78	45.1	343	81	35.8
250	1/18	451	74	61.4	387	78	45.1	344	81	35.8
350	1/3	522	75	59.3	445	79	43.1	395	82	34.1
350	1/6	532	75	58.8	455	79	42.9	403	81	33.9
350	1/12	538	75	58.5	460	79	42.8	408	81	33.7
350	1/18	540	75	58.5	462	79	42.8	410	81	33.7
500	1/3	609	77	57.4	517	81	41.4	458	83	32.5
500	1/6	632	77	56.8	537	80	41.1	475	82	32.2
500	1/12	645	76	56.3	549	80	40.8	486	82	32.1
500	1/18	649	76	56.1	553	80	40.8	490	82	32.1
750	1/3	692	78	52.3	586	82	37.7	518	83	29.4
750	1/6	737	77	51.5	625	81	37.3	553	83	29.2
750	1/12	768	77	51.0	653	80	36.9	578	83	29.0
750	1/18	780	77	50.7	663	80	36.7	587	82	28.9
1000	1/6	805	79	49.2	681	82	35.2	601	84	27.5
1000	1/12	857	78	48.5	726	82	34.8	641	83	27.2
1000	1/24	890	78	48.0	754	81	34.6	667	83	27.1
1000	1/36	902	77	47.8	765	81	34.5	676	83	27.0
1250	1/6	850	79	44.5	719	82	31.9	634	84	24.9
1250	1/12	918	78	43.7	778	81	31.5	688	83	24.6
1250	1/24	965	77	43.1	819	81	31.1	725	83	24.4
1250	1/36	982	77	42.8	835	81	30.9	739	83	24.4
1500	1/6	876	80	43.6	738	83	31.1	651	84	24.2
1500	1/12	958	79	42.7	810	82	30.6	715	84	23.9
1500	1/24	1020	78	42.0	864	81	30.3	764	83	23.7
1500	1/36	1044	78	41.8	886	81	30.1	783	83	23.6
1750	1/6	891	81	42.8	750	83	30.3	660	85	23.6
1750	1/12	984	80	41.9	830	83	29.9	732	84	23.3
1750	1/24	1060	79	41.2	897	82	29.5	792	84	23.1
1750	1/36	1091	78	40.9	924	82	29.4	816	83	23.0
2000	1/6	903	81	41.9	758	84	29.7	667	85	23.0
2000	1/12	1002	80	41.2	844	83	29.3	744	85	22.8
2000	1/24	1092	79	40.4	922	82	28.9	813	84	22.6
2000	1/36	1130	79	40.2	955	82	28.7	843	84	22.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	192	73	52.6	164	78	38.2	145	81	30.2
2	1/2	193	73	52.4	165	78	38.2	146	81	30.2
2	1/3	193	73	52.4	165	78	38.2	146	81	30.2
2	1/6	193	73	52.4	165	78	38.2	146	81	30.0
1	Full	218	74	51.8	185	79	37.7	164	81	29.5
1	1/2	219	74	51.8	186	79	37.5	165	81	29.5
1	1/3	219	74	51.8	186	79	37.5	165	81	29.5
1	1/6	219	74	51.6	187	79	37.5	165	81	29.5
1/0	Full	246	75	51.2	209	79	37.0	184	82	28.9
1/0	1/2	247	75	51.0	210	79	36.8	186	82	28.9
1/0	1/3	248	75	51.0	211	79	36.8	186	82	28.9
1/0	1/6	249	75	51.0	211	79	36.8	187	82	28.9
2/0	Full	277	76	50.2	235	80	36.1	207	82	28.2
2/0	1/2	280	76	50.0	237	80	35.9	209	82	28.2
2/0	1/3	281	76	50.0	238	80	35.9	210	82	28.2
2/0	1/6	282	76	50.0	239	80	35.9	211	82	28.2
3/0	Full	311	77	49.3	262	81	35.2	231	83	27.4
3/0	1/2	315	77	49.1	266	81	35.2	235	83	27.4
3/0	1/3	317	77	49.1	268	80	35.0	236	83	27.4
3/0	1/6	319	77	48.9	269	80	35.0	238	83	27.4
4/0	Full	347	78	48.4	292	81	34.4	257	83	26.7
4/0	1/2	354	78	48.0	299	81	34.2	263	83	26.5
4/0	1/3	357	77	47.8	301	81	34.2	265	83	26.5
4/0	1/6	360	77	47.8	304	81	34.0	268	83	26.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	387	78	47.3	326	81	33.6	287	83	26.1
250	1/6	392	78	47.1	330	81	33.6	290	83	26.1
250	1/12	394	78	47.1	332	81	33.6	292	83	26.1
250	1/18	395	78	47.1	333	81	33.6	293	83	26.1
350	1/3	454	79	44.8	381	82	31.7	335	84	24.6
350	1/6	463	79	44.6	389	82	31.6	342	84	24.4
350	1/12	469	79	44.4	394	82	31.6	346	84	24.4
350	1/18	470	78	44.4	396	82	31.4	348	84	24.4
500	1/3	526	80	42.8	440	83	30.1	386	85	23.2
500	1/6	546	80	42.5	457	83	29.9	401	85	23.0
500	1/12	558	80	42.3	468	83	29.8	410	84	23.0
500	1/18	562	80	42.2	471	83	29.8	414	84	23.0
750	1/3	594	81	38.6	496	84	27.0	434	85	20.8
750	1/6	633	81	38.2	529	84	26.8	463	85	20.6
750	1/12	661	80	37.9	553	83	26.6	485	85	20.5
750	1/18	672	80	37.8	562	83	26.5	493	85	20.5
1000	1/6	688	82	35.9	573	84	24.9	501	86	19.2
1000	1/12	733	81	35.6	612	84	24.8	535	85	19.0
1000	1/24	762	81	35.3	636	84	24.7	557	85	19.0
1000	1/36	773	81	35.2	645	84	24.7	565	85	18.9
1250	1/6	723	82	32.2	602	84	22.4	526	86	17.2
1250	1/12	782	81	31.8	653	84	22.2	571	85	17.1
1250	1/24	824	81	31.5	688	83	22.1	603	85	17.0
1250	1/36	839	80	31.4	702	83	22.0	615	85	16.9
1500	1/6	741	83	31.3	616	85	21.7	538	86	16.5
1500	1/12	813	82	30.9	677	84	21.5	592	86	16.4
1500	1/24	867	81	30.5	723	84	21.3	633	85	16.3
1500	1/36	889	81	30.4	742	84	21.3	649	85	16.3
1750	1/6	752	83	30.5	623	85	21.0	544	87	16.1
1750	1/12	832	83	30.0	692	85	20.8	604	86	15.9
1750	1/24	899	82	29.7	748	84	20.7	654	86	15.8
1750	1/36	926	82	29.5	772	84	20.6	675	86	15.8
2000	1/6	759	84	29.8	629	86	20.4	548	87	15.6
2000	1/12	845	83	29.4	701	85	20.3	612	86	15.5
2000	1/24	923	82	29.0	767	85	20.1	670	86	15.4
2000	1/36	956	82	28.8	796	85	20.0	695	86	15.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
2	Full	202	62	56.1	175	67	42.3	157	69	34.1
2	1/2	202	62	56.1	176	67	42.3	158	69	34.1
2	1/3	203	62	56.1	176	67	42.3	158	69	34.1
2	1/6	203	62	56.1	176	67	42.3	158	69	34.1
1	Full	229	63	55.8	198	67	41.9	178	70	33.5
1	1/2	230	63	55.5	199	67	41.7	178	70	33.5
1	1/3	231	63	55.5	200	67	41.7	179	70	33.5
1	1/6	231	63	55.5	200	67	41.7	179	70	33.5
1/0	Full	260	64	55.2	224	68	41.2	200	71	32.9
1/0	1/2	261	64	55.0	226	68	41.2	202	70	32.9
1/0	1/3	262	64	55.0	226	68	41.2	202	70	32.9
1/0	1/6	262	64	55.0	227	68	41.0	203	70	32.9
2/0	Full	293	65	54.7	252	69	40.6	225	71	32.5
2/0	1/2	296	65	54.5	255	69	40.4	228	71	32.3
2/0	1/3	297	65	54.5	256	69	40.4	228	71	32.3
2/0	1/6	298	65	54.3	257	69	40.4	229	71	32.3
3/0	Full	330	66	54.2	283	70	39.9	252	72	31.7
3/0	1/2	335	66	53.8	287	69	39.7	256	72	31.5
3/0	1/3	337	65	53.6	289	69	39.7	258	71	31.5
3/0	1/6	338	65	53.4	291	69	39.5	259	71	31.5
4/0	Full	369	67	53.4	316	70	39.2	281	72	31.0
4/0	1/2	377	66	53.1	323	70	38.9	287	72	30.8
4/0	1/3	380	66	52.9	326	70	38.9	290	72	30.8
4/0	1/6	384	66	52.5	329	70	38.7	293	72	30.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²
75% LF										
250	1/3	413	67	52.4	353	70	38.3	314	72	30.5
250	1/6	418	66	52.2	358	70	38.3	318	72	30.3
250	1/12	420	66	52.0	360	70	38.2	320	72	30.3
250	1/18	421	66	52.0	361	70	38.2	321	72	30.3
350	1/3	486	68	50.1	414	71	36.6	367	73	28.7
350	1/6	496	67	49.8	424	71	36.2	376	73	28.7
350	1/12	502	67	49.4	429	71	36.2	381	73	28.6
350	1/18	504	67	49.4	430	71	36.1	382	73	28.6
500	1/3	566	69	48.6	480	72	35.1	425	74	27.5
500	1/6	588	69	48.0	500	72	34.8	442	74	27.3
500	1/12	601	68	47.7	511	72	34.5	453	73	27.2
500	1/18	605	68	47.6	515	72	34.5	456	73	27.2
750	1/3	641	70	44.3	542	73	31.8	479	74	24.9
750	1/6	683	69	43.7	579	72	31.6	512	74	24.6
750	1/12	714	69	43.1	606	72	31.3	536	74	24.5
750	1/18	725	69	43.0	617	72	31.2	546	74	24.5
1000	1/6	745	71	41.7	629	73	29.8	555	75	23.3
1000	1/12	794	70	41.1	672	73	29.5	594	74	23.0
1000	1/24	826	70	40.6	700	73	29.3	619	74	22.9
1000	1/36	838	69	40.5	711	72	29.2	628	74	22.9
1250	1/6	785	71	37.7	663	73	27.0	585	75	21.0
1250	1/12	849	70	36.9	720	73	26.6	636	74	20.8
1250	1/24	894	69	36.4	759	72	26.3	672	74	20.7
1250	1/36	912	69	36.2	774	72	26.2	685	74	20.6
1500	1/6	807	72	36.9	680	74	26.3	599	75	20.5
1500	1/12	884	71	36.2	747	73	26.0	659	75	20.3
1500	1/24	944	70	35.6	799	73	25.6	706	74	20.1
1500	1/36	967	70	35.4	820	73	25.5	725	74	20.0
1750	1/6	820	72	36.2	690	75	25.7	607	76	19.9
1750	1/12	907	71	35.5	765	74	25.3	674	75	19.8
1750	1/24	980	71	34.9	828	73	25.0	731	75	19.6
1750	1/36	1010	70	34.6	855	73	24.8	755	75	19.5
2000	1/6	831	73	35.6	697	75	25.1	613	76	19.4
2000	1/12	923	72	34.9	777	74	24.8	684	76	19.3
2000	1/24	1008	71	34.3	850	74	24.5	750	75	19.1
2000	1/36	1045	71	34.0	883	73	24.3	779	75	19.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	180	66	44.4	153	70	32.5	136	72	25.4
2	1/2	180	66	44.4	154	70	32.3	136	72	25.4
2	1/3	180	66	44.4	154	70	32.3	136	72	25.4
2	1/6	180	66	44.4	154	70	32.3	136	72	25.4
1	Full	203	67	43.9	173	70	31.7	153	73	24.9
1	1/2	204	67	43.9	174	70	31.7	154	72	24.9
1	1/3	205	67	43.9	174	70	31.7	154	72	24.9
1	1/6	205	67	43.6	174	70	31.7	154	72	24.9
1/0	Full	229	68	43.3	195	71	31.2	172	73	24.4
1/0	1/2	231	67	43.1	196	71	31.2	173	73	24.4
1/0	1/3	232	67	43.1	197	71	31.2	174	73	24.4
1/0	1/6	232	67	43.1	197	71	31.0	174	73	24.4
2/0	Full	258	68	42.5	219	72	30.6	193	73	23.9
2/0	1/2	261	68	42.5	221	71	30.4	195	73	23.9
2/0	1/3	262	68	42.3	222	71	30.4	196	73	23.7
2/0	1/6	263	68	42.3	223	71	30.4	197	73	23.7
3/0	Full	290	69	41.9	245	72	29.9	215	74	23.3
3/0	1/2	294	69	41.5	248	72	29.7	219	74	23.1
3/0	1/3	296	69	41.5	250	72	29.7	220	74	23.1
3/0	1/6	297	69	41.5	252	72	29.7	222	74	23.1
4/0	Full	323	70	40.9	272	73	29.2	239	74	22.6
4/0	1/2	330	70	40.7	278	73	29.0	245	74	22.4
4/0	1/3	333	69	40.6	281	73	29.0	247	74	22.4
4/0	1/6	336	69	40.4	283	72	28.8	250	74	22.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	361	70	40.2	304	73	28.5	267	74	22.1
250	1/6	365	70	40.0	308	73	28.5	271	74	22.1
250	1/12	368	70	39.8	310	73	28.3	273	74	22.1
250	1/18	369	70	39.8	311	73	28.3	273	74	22.1
350	1/3	422	71	37.9	355	73	26.9	311	75	20.7
350	1/6	432	70	37.7	363	73	26.7	319	75	20.7
350	1/12	437	70	37.6	367	73	26.7	323	75	20.7
350	1/18	439	70	37.6	369	73	26.6	324	75	20.5
500	1/3	489	72	36.4	409	74	25.5	358	76	19.6
500	1/6	508	72	36.0	426	74	25.3	373	75	19.5
500	1/12	520	71	35.7	436	74	25.2	382	75	19.5
500	1/18	524	71	35.7	439	74	25.2	385	75	19.5
750	1/3	550	73	32.7	458	75	22.9	401	76	17.6
750	1/6	587	72	32.3	491	75	22.6	429	76	17.4
750	1/12	614	72	32.1	514	74	22.5	450	76	17.3
750	1/18	625	72	31.9	523	74	22.5	458	76	17.3
1000	1/6	636	73	30.4	529	75	21.2	462	76	16.3
1000	1/12	680	73	30.1	566	75	21.0	495	76	16.2
1000	1/24	708	72	29.9	591	75	20.9	517	76	16.0
1000	1/36	718	72	29.8	600	75	20.9	525	76	16.0
1250	1/6	667	73	27.3	555	75	19.0	485	76	14.6
1250	1/12	724	73	26.9	604	75	18.8	528	76	14.5
1250	1/24	764	72	26.6	638	75	18.7	559	76	14.4
1250	1/36	779	72	26.5	651	74	18.6	570	76	14.4
1500	1/6	683	74	26.5	567	76	18.4	495	77	14.0
1500	1/12	750	73	26.2	625	75	18.2	546	76	13.9
1500	1/24	803	73	25.9	669	75	18.1	585	76	13.8
1500	1/36	824	72	25.7	687	75	18.0	601	76	13.8
1750	1/6	692	74	25.8	573	76	17.8	500	77	13.6
1750	1/12	767	74	25.5	637	76	17.6	556	77	13.5
1750	1/24	830	73	25.1	691	75	17.5	604	76	13.4
1750	1/36	857	73	25.0	714	75	17.5	624	76	13.3
2000	1/6	698	75	25.1	578	77	17.3	503	77	13.2
2000	1/12	778	74	24.9	645	76	17.2	563	77	13.1
2000	1/24	852	74	24.5	708	76	17.0	618	77	13.1
2000	1/36	884	73	24.4	735	75	16.9	642	77	13.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface	Temp	Flux	Interface	Temp	Flux	Interface	Temp	Flux
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
75% LF										
2	Full	194	59	51.0	168	63	38.4	151	65	30.9
2	1/2	195	59	51.0	169	63	38.4	151	65	30.9
2	1/3	195	59	51.0	169	63	38.4	152	65	30.9
2	1/6	195	59	50.8	169	63	38.4	152	65	30.9
1	Full	220	60	50.7	191	64	37.9	171	66	30.4
1	1/2	221	60	50.5	191	64	37.9	171	66	30.4
1	1/3	222	60	50.5	192	63	37.9	172	66	30.4
1	1/6	222	60	50.5	192	63	37.9	172	66	30.4
1/0	Full	249	60	50.3	215	64	37.6	192	66	30.0
1/0	1/2	251	60	50.1	217	64	37.4	194	66	30.0
1/0	1/3	252	60	50.1	217	64	37.4	194	66	30.0
1/0	1/6	252	60	49.9	218	64	37.4	195	66	30.0
2/0	Full	282	61	49.8	242	65	37.0	216	67	29.4
2/0	1/2	284	61	49.6	245	65	36.7	218	67	29.4
2/0	1/3	285	61	49.4	246	65	36.7	219	67	29.2
2/0	1/6	287	61	49.4	247	65	36.7	220	67	29.2
3/0	Full	317	62	49.3	272	66	36.4	242	67	28.8
3/0	1/2	321	62	48.9	276	65	36.2	246	67	28.8
3/0	1/3	323	62	48.7	278	65	36.0	247	67	28.6
3/0	1/6	325	62	48.7	279	65	36.0	249	67	28.6
4/0	Full	355	63	48.6	303	66	35.7	269	68	28.2
4/0	1/2	362	63	48.2	310	66	35.3	276	68	28.0
4/0	1/3	365	62	48.0	313	66	35.3	278	68	28.0
4/0	1/6	368	62	47.8	316	66	35.1	281	68	27.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²		
		75% LF								
250	1/3	396	63	47.7	339	66	34.9	301	68	27.6
250	1/6	401	63	47.5	343	66	34.9	305	68	27.6
250	1/12	404	63	47.3	346	66	34.7	307	68	27.6
250	1/18	405	63	47.3	347	66	34.7	308	68	27.6
350	1/3	466	64	45.6	397	67	33.2	352	69	26.2
350	1/6	476	64	45.3	407	67	33.1	361	68	26.1
350	1/12	482	63	44.9	412	67	32.9	365	68	26.1
350	1/18	484	63	44.9	413	66	32.9	367	68	25.9
500	1/3	542	65	44.2	460	68	31.9	407	70	25.0
500	1/6	564	65	43.7	479	68	31.6	424	69	24.9
500	1/12	576	64	43.3	490	67	31.4	434	69	24.7
500	1/18	581	64	43.3	494	67	31.3	438	69	24.7
750	1/3	613	66	40.3	518	69	29.0	458	70	22.6
750	1/6	654	65	39.7	554	68	28.6	490	70	22.5
750	1/12	684	65	39.3	581	68	28.4	514	69	22.2
750	1/18	696	65	39.1	591	68	28.4	523	69	22.2
1000	1/6	712	67	37.8	601	69	27.1	530	70	21.1
1000	1/12	760	66	37.4	643	69	26.8	568	70	21.0
1000	1/24	791	66	37.0	671	68	26.6	592	70	20.9
1000	1/36	803	65	36.8	681	68	26.5	602	70	20.7
1250	1/6	749	67	34.3	633	69	24.5	558	70	19.1
1250	1/12	812	66	33.7	688	68	24.2	607	70	18.9
1250	1/24	856	65	33.1	727	68	24.0	643	70	18.8
1250	1/36	873	65	32.9	741	68	23.9	656	69	18.7
1500	1/6	770	67	33.6	648	70	23.9	571	71	18.6
1500	1/12	845	67	32.9	713	69	23.6	629	70	18.5
1500	1/24	903	66	32.4	764	68	23.3	675	70	18.3
1500	1/36	926	66	32.2	785	68	23.2	693	70	18.2
1750	1/6	782	68	32.9	658	70	23.3	578	71	18.1
1750	1/12	866	67	32.3	730	69	23.0	643	71	17.9
1750	1/24	936	66	31.7	791	69	22.7	698	70	17.7
1750	1/36	966	66	31.5	817	69	22.6	721	70	17.6
2000	1/6	792	68	32.3	664	70	22.8	584	71	17.7
2000	1/12	880	68	31.8	740	70	22.6	652	71	17.5
2000	1/24	962	67	31.1	812	69	22.3	716	71	17.3
2000	1/36	998	67	30.9	843	69	22.1	744	70	17.2

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

----- 60 Rho----	----- 90 Rho----	-----120 Rho----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr	Neut.
Size	Size

100% LF

2	Full1	173	62	40.5	147	66	29.5	130	68	23.1
2	1/2	173	62	40.3	148	66	29.5	131	68	23.1
2	1/3	173	62	40.3	148	66	29.5	131	68	23.1
2	1/6	173	62	40.3	148	66	29.5	131	68	23.1
1	Full1	195	63	39.9	166	66	28.9	147	68	22.7
1	1/2	196	63	39.9	167	66	28.9	148	68	22.7
1	1/3	197	63	39.9	167	66	28.9	148	68	22.7
1	1/6	197	63	39.7	168	66	28.9	148	68	22.7
1/0	Full1	220	64	39.3	187	67	28.5	165	69	22.3
1/0	1/2	222	64	39.3	188	67	28.3	166	69	22.1
1/0	1/3	222	64	39.1	189	67	28.3	167	69	22.1
1/0	1/6	223	63	39.1	189	67	28.3	167	69	22.1
2/0	Full1	248	64	38.8	210	67	27.8	185	69	21.6
2/0	1/2	251	64	38.6	212	67	27.8	187	69	21.6
2/0	1/3	252	64	38.6	213	67	27.8	188	69	21.6
2/0	1/6	253	64	38.4	214	67	27.6	189	69	21.6
3/0	Full1	278	65	38.0	235	68	27.2	207	70	21.1
3/0	1/2	282	65	37.8	239	68	27.0	210	69	21.1
3/0	1/3	284	65	37.8	240	68	27.0	212	69	21.1
3/0	1/6	286	65	37.6	242	68	27.0	213	69	20.9
4/0	Full1	310	66	37.2	261	68	26.5	230	70	20.6
4/0	1/2	317	66	37.0	267	68	26.3	235	70	20.4
4/0	1/3	320	65	36.8	270	68	26.3	237	70	20.4
4/0	1/6	323	65	36.8	272	68	26.2	240	70	20.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²
100% LF										
250	1/3	346	66	36.5	292	68	25.9	257	70	20.1
250	1/6	351	66	36.3	296	68	25.9	260	70	20.1
250	1/12	353	66	36.2	298	68	25.7	262	70	20.1
250	1/18	354	65	36.2	298	68	25.7	263	70	20.1
350	1/3	405	67	34.6	340	69	24.4	299	70	18.9
350	1/6	415	66	34.2	348	69	24.2	306	70	18.9
350	1/12	420	66	34.2	353	69	24.2	310	70	18.7
350	1/18	421	66	34.1	354	69	24.2	311	70	18.7
500	1/3	468	68	33.0	391	70	23.2	343	71	17.8
500	1/6	487	67	32.7	408	70	23.0	358	71	17.8
500	1/12	499	67	32.5	418	69	22.9	367	71	17.6
500	1/18	503	67	32.5	422	69	22.9	370	71	17.6
750	1/3	526	68	29.8	438	70	20.8	383	72	16.0
750	1/6	562	68	29.4	469	70	20.6	411	71	15.8
750	1/12	589	68	29.2	492	70	20.5	431	71	15.8
750	1/18	599	67	29.0	501	70	20.4	439	71	15.7
1000	1/6	608	69	27.7	506	71	19.3	442	72	14.7
1000	1/12	650	68	27.4	542	70	19.2	474	72	14.7
1000	1/24	678	68	27.2	566	70	19.0	495	71	14.6
1000	1/36	688	68	27.1	574	70	18.9	503	71	14.6
1250	1/6	637	69	24.8	530	71	17.3	463	72	13.2
1250	1/12	692	68	24.5	577	70	17.1	505	71	13.1
1250	1/24	731	68	24.2	610	70	17.0	534	71	13.1
1250	1/36	746	68	24.1	623	70	16.9	546	71	13.0
1500	1/6	651	70	24.1	541	71	16.6	472	72	12.7
1500	1/12	717	69	23.8	596	71	16.5	521	72	12.6
1500	1/24	768	68	23.5	640	70	16.3	559	72	12.6
1500	1/36	788	68	23.4	657	70	16.3	575	71	12.5
1750	1/6	659	70	23.5	547	72	16.2	476	72	12.4
1750	1/12	732	69	23.2	608	71	16.0	530	72	12.3
1750	1/24	793	69	22.8	660	71	15.9	577	72	12.2
1750	1/36	819	69	22.7	682	71	15.8	596	72	12.2
2000	1/6	665	70	22.9	551	72	15.8	480	73	12.0
2000	1/12	742	70	22.6	615	71	15.7	536	72	12.0
2000	1/24	813	69	22.3	676	71	15.5	590	72	11.9
2000	1/36	845	69	22.2	702	71	15.4	613	72	11.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
2	Full	176	52	40.7	153	55	30.9	137	57	24.7
2	1/2	177	52	40.7	153	55	30.7	137	57	24.7
2	1/3	177	52	40.7	154	55	30.7	138	57	24.7
2	1/6	177	52	40.7	154	55	30.7	138	57	24.7
1	Full	200	53	40.6	173	56	30.4	155	58	24.5
1	1/2	201	53	40.6	174	56	30.4	156	58	24.2
1	1/3	201	53	40.3	174	56	30.4	156	58	24.2
1	1/6	202	53	40.3	174	56	30.2	156	58	24.2
1/0	Full	226	53	40.2	195	56	30.0	174	58	24.0
1/0	1/2	228	53	40.2	197	56	30.0	176	58	24.0
1/0	1/3	229	53	39.9	197	56	30.0	176	58	23.8
1/0	1/6	229	53	39.9	198	56	30.0	177	58	23.8
2/0	Full	256	54	39.8	220	57	29.6	196	59	23.5
2/0	1/2	258	54	39.6	222	57	29.4	198	58	23.5
2/0	1/3	259	54	39.6	223	57	29.4	199	58	23.5
2/0	1/6	260	54	39.4	224	57	29.4	200	58	23.5
3/0	Full	287	55	39.3	246	57	29.2	219	59	23.1
3/0	1/2	292	55	39.1	250	57	29.0	223	59	22.9
3/0	1/3	293	54	38.9	252	57	28.8	224	59	22.9
3/0	1/6	295	54	38.9	254	57	28.8	226	59	22.9
4/0	Full	321	55	38.9	275	58	28.6	244	60	22.6
4/0	1/2	328	55	38.5	281	58	28.4	250	59	22.4
4/0	1/3	331	55	38.5	284	58	28.2	252	59	22.4
4/0	1/6	334	55	38.3	287	58	28.2	255	59	22.2

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²
Interface										
Temp Flux										
75% LF										
250	1/3	359	55	38.2	307	58	27.9	273	59	22.1
250	1/6	364	55	38.0	312	58	27.8	277	59	22.1
250	1/12	367	55	37.8	314	58	27.8	279	59	21.9
250	1/18	367	55	37.8	315	58	27.8	280	59	21.9
350	1/3	422	56	36.6	359	59	26.6	319	60	20.9
350	1/6	432	56	36.2	368	58	26.4	327	60	20.9
350	1/12	437	56	36.1	373	58	26.4	331	60	20.7
350	1/18	439	56	35.9	375	58	26.2	333	60	20.7
500	1/3	490	57	35.4	415	59	25.5	367	61	19.9
500	1/6	510	57	35.0	433	59	25.3	383	60	19.8
500	1/12	522	57	34.7	444	59	25.2	393	60	19.8
500	1/18	527	57	34.5	448	59	25.0	396	60	19.8
750	1/3	551	58	32.3	466	60	23.2	411	61	18.1
750	1/6	589	57	31.8	499	60	22.9	441	61	18.0
750	1/12	618	57	31.4	524	59	22.8	464	61	17.8
750	1/18	629	57	31.3	534	59	22.6	472	60	17.7
1000	1/6	639	58	30.4	539	60	21.7	475	61	16.9
1000	1/12	685	58	29.9	579	60	21.5	511	61	16.8
1000	1/24	714	58	29.5	605	60	21.3	534	61	16.6
1000	1/36	725	57	29.4	614	60	21.2	543	61	16.6
1250	1/6	672	58	27.4	567	60	19.6	500	61	15.3
1250	1/12	730	58	26.9	618	60	19.3	545	61	15.1
1250	1/24	771	57	26.5	654	59	19.1	578	61	15.0
1250	1/36	787	57	26.4	668	59	19.1	591	61	15.0
1500	1/6	689	59	26.9	580	61	19.2	510	62	14.8
1500	1/12	758	58	26.4	639	60	18.9	564	61	14.7
1500	1/24	812	58	26.0	687	60	18.7	606	61	14.5
1500	1/36	834	58	25.8	706	60	18.6	624	61	14.5
1750	1/6	700	59	26.4	588	61	18.7	517	62	14.5
1750	1/12	776	59	25.9	653	61	18.4	575	62	14.4
1750	1/24	842	58	25.4	711	60	18.2	627	61	14.2
1750	1/36	870	58	25.2	735	60	18.1	649	61	14.1
2000	1/6	708	60	25.9	593	61	18.2	521	62	14.1
2000	1/12	787	59	25.4	662	61	18.1	582	62	14.0
2000	1/24	863	59	25.0	728	60	17.8	641	61	13.8
2000	1/36	897	58	24.7	757	60	17.7	667	61	13.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	157	55	32.3	134	58	23.6	118	59	18.5
2	1/2	157	55	32.3	134	58	23.6	119	59	18.5
2	1/3	157	55	32.3	134	58	23.6	119	59	18.5
2	1/6	158	55	32.3	134	58	23.6	119	59	18.5
1	Full	177	55	32.0	151	58	23.1	133	60	18.1
1	1/2	178	55	32.0	152	58	23.1	134	60	18.1
1	1/3	179	55	31.7	152	58	23.1	134	60	18.1
1	1/6	179	55	31.7	152	58	23.1	135	60	18.1
1/0	Full	200	56	31.4	170	59	22.7	150	60	17.8
1/0	1/2	202	56	31.4	171	58	22.7	151	60	17.8
1/0	1/3	202	56	31.4	172	58	22.7	152	60	17.6
1/0	1/6	203	56	31.2	172	58	22.7	152	60	17.6
2/0	Full	225	57	31.0	190	59	22.3	168	60	17.4
2/0	1/2	228	56	30.8	193	59	22.3	170	60	17.4
2/0	1/3	229	56	30.8	194	59	22.3	171	60	17.4
2/0	1/6	229	56	30.8	194	59	22.0	172	60	17.4
3/0	Full	252	57	30.3	213	59	21.7	187	61	16.8
3/0	1/2	256	57	30.3	216	59	21.7	191	61	16.8
3/0	1/3	258	57	30.1	218	59	21.5	192	61	16.8
3/0	1/6	259	57	30.1	219	59	21.5	193	60	16.8
4/0	Full	281	58	29.9	236	60	21.1	208	61	16.4
4/0	1/2	287	57	29.5	242	60	21.1	213	61	16.4
4/0	1/3	290	57	29.5	244	60	21.1	215	61	16.3
4/0	1/6	293	57	29.3	247	60	20.9	217	61	16.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	314	58	29.2	264	60	20.8	232	61	16.1
250	1/6	318	58	29.0	268	60	20.6	236	61	16.1
250	1/12	321	57	29.0	270	60	20.6	238	61	16.1
250	1/18	321	57	29.0	271	60	20.6	238	61	16.1
350	1/3	367	58	27.7	308	60	19.5	270	61	15.0
350	1/6	376	58	27.4	316	60	19.4	277	61	15.0
350	1/12	381	58	27.4	320	60	19.4	281	61	15.0
350	1/18	382	58	27.4	321	60	19.4	282	61	15.0
500	1/3	423	59	26.4	353	61	18.6	309	62	14.3
500	1/6	441	59	26.2	369	61	18.4	323	62	14.3
500	1/12	452	59	26.1	378	61	18.4	332	62	14.1
500	1/18	456	59	25.9	382	61	18.3	335	62	14.1
750	1/3	473	60	23.8	394	61	16.6	344	62	12.8
750	1/6	507	59	23.6	423	61	16.5	370	62	12.6
750	1/12	532	59	23.3	444	61	16.4	389	62	12.6
750	1/18	542	59	23.3	453	61	16.4	397	62	12.6
1000	1/6	546	60	22.2	454	62	15.4	396	62	11.8
1000	1/12	586	60	21.9	488	61	15.3	426	62	11.7
1000	1/24	612	60	21.8	510	61	15.2	446	62	11.7
1000	1/36	621	59	21.7	518	61	15.2	453	62	11.7
1250	1/6	571	60	19.8	474	62	13.8	414	63	10.6
1250	1/12	622	60	19.6	518	61	13.7	453	62	10.6
1250	1/24	658	59	19.4	550	61	13.6	481	62	10.5
1250	1/36	673	59	19.3	562	61	13.5	492	62	10.5
1500	1/6	583	61	19.4	483	62	13.3	421	63	10.2
1500	1/12	643	60	19.1	534	62	13.2	466	63	10.1
1500	1/24	690	60	18.9	575	61	13.1	502	62	10.1
1500	1/36	710	60	18.8	591	61	13.0	517	62	10.0
1750	1/6	590	61	18.8	489	62	12.9	426	63	9.9
1750	1/12	656	61	18.5	544	62	12.8	474	63	9.9
1750	1/24	713	60	18.3	593	62	12.8	518	62	9.8
1750	1/36	738	60	18.2	614	62	12.7	536	62	9.8
2000	1/6	595	61	18.3	492	63	12.6	428	63	9.6
2000	1/12	663	61	18.1	549	62	12.5	479	63	9.6
2000	1/24	729	60	17.9	605	62	12.4	528	63	9.5
2000	1/36	758	60	17.8	630	62	12.3	550	63	9.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	75% LF								
2	Full	143	42	25.6	124	44	19.2	111	45	15.6
2	1/2	143	42	25.4	124	44	19.2	111	45	15.3
2	1/3	143	42	25.4	124	44	19.2	111	45	15.3
2	1/6	143	42	25.4	124	44	19.2	111	45	15.3
1	Full	162	42	25.3	140	44	19.0	125	46	15.2
1	1/2	163	42	25.3	141	44	19.0	126	45	15.2
1	1/3	163	42	25.3	141	44	19.0	126	45	15.2
1	1/6	163	42	25.3	141	44	19.0	126	45	15.2
1/0	Full	183	43	25.1	158	45	18.7	141	46	14.9
1/0	1/2	184	43	25.1	159	45	18.7	142	46	14.9
1/0	1/3	185	43	25.1	159	45	18.7	142	46	14.9
1/0	1/6	185	43	25.1	160	45	18.7	143	46	14.9
2/0	Full	206	43	24.9	177	45	18.4	158	46	14.7
2/0	1/2	209	43	24.7	180	45	18.4	160	46	14.7
2/0	1/3	210	43	24.7	180	45	18.4	161	46	14.7
2/0	1/6	211	43	24.7	181	45	18.4	161	46	14.7
3/0	Full	232	44	24.7	198	45	18.2	176	46	14.5
3/0	1/2	236	44	24.5	202	45	18.0	180	46	14.3
3/0	1/3	237	43	24.5	203	45	18.0	181	46	14.3
3/0	1/6	239	43	24.3	205	45	18.0	182	46	14.3
4/0	Full	259	44	24.3	221	46	17.8	196	47	14.0
4/0	1/2	265	44	24.1	226	46	17.8	201	47	14.0
4/0	1/3	268	44	24.1	229	46	17.6	203	46	14.0
4/0	1/6	270	44	23.9	231	45	17.6	206	46	14.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----			
		Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	
					75% LF						
250	1/3	290	44	23.9	248	46	17.5	220	47	13.9	
250	1/6	294	44	23.7	251	46	17.3	223	47	13.7	
250	1/12	296	44	23.6	253	46	17.3	225	46	13.7	
250	1/18	297	44	23.6	254	46	17.3	226	46	13.7	
350	1/3	339	45	22.9	289	46	16.5	256	47	13.0	
350	1/6	348	44	22.5	297	46	16.5	263	47	13.0	
350	1/12	353	44	22.5	301	46	16.4	267	47	13.0	
350	1/18	355	44	22.4	302	46	16.4	268	47	12.9	
500	1/3	392	45	22.1	332	47	16.0	293	47	12.4	
500	1/6	410	45	21.8	347	46	15.8	307	47	12.4	
500	1/12	420	45	21.6	357	46	15.6	315	47	12.3	
500	1/18	424	45	21.6	360	46	15.6	319	47	12.3	
750	1/3	439	46	20.2	370	47	14.5	326	48	11.3	
750	1/6	470	45	19.8	398	47	14.2	351	47	11.2	
750	1/12	495	45	19.6	419	46	14.2	370	47	11.0	
750	1/18	505	45	19.6	428	46	14.1	378	47	11.0	
1000	1/6	508	46	18.9	427	47	13.5	376	48	10.5	
1000	1/12	546	46	18.7	460	47	13.4	405	48	10.5	
1000	1/24	571	45	18.4	483	47	13.3	426	47	10.4	
1000	1/36	581	45	18.4	491	47	13.3	433	47	10.4	
1250	1/6	532	46	17.2	448	47	12.2	394	48	9.5	
1250	1/12	580	46	16.9	490	47	12.0	432	48	9.4	
1250	1/24	615	45	16.6	521	47	11.9	460	47	9.4	
1250	1/36	629	45	16.5	533	46	11.9	471	47	9.3	
1500	1/6	544	46	16.8	457	47	11.9	401	48	9.2	
1500	1/12	600	46	16.4	505	47	11.7	445	48	9.1	
1500	1/24	646	46	16.2	545	47	11.6	480	48	9.0	
1500	1/36	664	45	16.0	562	47	11.5	495	47	9.0	
1750	1/6	552	47	16.5	463	48	11.6	406	48	9.0	
1750	1/12	613	46	16.2	515	47	11.5	452	48	8.9	
1750	1/24	668	46	15.9	563	47	11.3	495	48	8.8	
1750	1/36	692	46	15.7	583	47	11.3	514	48	8.8	
2000	1/6	558	47	16.1	466	48	11.4	409	48	8.8	
2000	1/12	620	46	15.8	520	48	11.2	457	48	8.8	
2000	1/24	683	46	15.6	575	47	11.1	505	48	8.7	
2000	1/36	712	46	15.5	599	47	11.1	527	48	8.6	

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	127	44	20.1	108	45	14.6	96	46	11.7
2	1/2	127	44	20.1	108	45	14.6	96	46	11.7
2	1/3	127	44	20.1	109	45	14.6	96	46	11.7
2	1/6	128	44	20.1	109	45	14.6	96	46	11.7
1	Full	143	44	20.1	122	46	14.5	108	47	11.5
1	1/2	144	44	19.8	123	46	14.5	108	47	11.2
1	1/3	144	44	19.8	123	46	14.5	109	47	11.2
1	1/6	145	44	19.8	123	46	14.5	109	47	11.2
1/0	Full	162	44	19.8	137	46	14.2	121	47	11.0
1/0	1/2	163	44	19.5	138	46	14.2	122	47	11.0
1/0	1/3	163	44	19.5	139	46	14.2	122	47	11.0
1/0	1/6	164	44	19.5	139	46	14.2	123	47	11.0
2/0	Full	182	45	19.4	154	46	13.9	135	47	10.8
2/0	1/2	184	45	19.4	156	46	13.9	137	47	10.8
2/0	1/3	185	45	19.2	156	46	13.9	138	47	10.8
2/0	1/6	186	45	19.2	157	46	13.9	138	47	10.8
3/0	Full	203	45	19.0	171	47	13.5	151	47	10.6
3/0	1/2	207	45	19.0	175	46	13.5	154	47	10.6
3/0	1/3	208	45	19.0	176	46	13.5	155	47	10.6
3/0	1/6	210	45	18.8	177	46	13.5	156	47	10.6
4/0	Full	226	46	18.7	190	47	13.3	167	48	10.3
4/0	1/2	232	45	18.5	195	47	13.3	171	47	10.3
4/0	1/3	234	45	18.5	197	47	13.1	173	47	10.3
4/0	1/6	237	45	18.3	199	47	13.1	175	47	10.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²
100% LF										
250	1/3	253	45	18.3	213	47	13.0	187	48	10.0
250	1/6	257	45	18.3	216	47	13.0	190	47	10.0
250	1/12	259	45	18.1	218	47	13.0	192	47	10.0
250	1/18	260	45	18.1	219	47	13.0	192	47	10.0
350	1/3	295	46	17.4	247	47	12.2	217	48	9.5
350	1/6	303	46	17.2	254	47	12.2	223	48	9.4
350	1/12	307	46	17.0	258	47	12.2	226	48	9.4
350	1/18	309	46	17.0	259	47	12.2	227	48	9.4
500	1/3	339	46	16.6	282	48	11.7	247	48	8.9
500	1/6	354	46	16.4	296	47	11.5	259	48	8.9
500	1/12	364	46	16.3	304	47	11.5	266	48	8.9
500	1/18	367	46	16.3	307	47	11.5	269	48	8.9
750	1/3	376	47	14.9	313	48	10.4	273	48	8.0
750	1/6	404	47	14.8	337	48	10.4	294	48	8.0
750	1/12	426	46	14.6	355	47	10.3	310	48	7.9
750	1/18	434	46	14.5	363	47	10.3	317	48	7.9
1000	1/6	433	47	13.9	359	48	9.6	313	48	7.4
1000	1/12	467	47	13.7	388	48	9.5	338	48	7.4
1000	1/24	489	47	13.6	407	48	9.5	355	48	7.4
1000	1/36	498	47	13.6	414	48	9.5	362	48	7.4
1250	1/6	452	47	12.5	375	48	8.7	327	49	6.7
1250	1/12	494	47	12.2	411	48	8.6	358	48	6.5
1250	1/24	525	47	12.1	438	48	8.4	382	48	6.5
1250	1/36	538	46	12.0	448	48	8.4	392	48	6.5
1500	1/6	460	47	12.1	381	48	8.3	331	49	6.4
1500	1/12	509	47	11.9	422	48	8.3	368	49	6.3
1500	1/24	549	47	11.7	456	48	8.2	398	48	6.3
1500	1/36	565	47	11.7	470	48	8.2	410	48	6.3
1750	1/6	465	48	11.8	384	48	8.2	334	49	6.2
1750	1/12	518	47	11.6	429	48	8.1	373	49	6.1
1750	1/24	566	47	11.5	469	48	8.0	409	48	6.1
1750	1/36	587	47	11.4	487	48	8.0	425	48	6.0
2000	1/6	468	48	11.5	386	49	7.9	336	49	6.0
2000	1/12	522	48	11.3	432	48	7.8	375	49	6.0
2000	1/24	577	47	11.1	478	48	7.7	416	49	5.9
2000	1/36	602	47	11.1	499	48	7.7	435	49	5.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
75% LF										
2	Full	265	58	58.5	238	64	46.8	217	69	39.2
2	1/2	269	58	57.0	241	64	45.7	220	68	38.5
2	1/3	270	57	56.3	242	64	45.4	222	68	38.1
2	1/6	271	57	55.6	243	64	44.7	223	68	37.8
1	Full	300	60	60.2	267	66	47.6	244	70	39.5
1	1/2	305	59	58.1	273	65	46.2	249	69	38.5
1	1/3	307	59	57.0	275	65	45.5	251	69	38.1
1	1/6	310	58	56.0	277	65	44.8	253	69	37.4
1/0	Full	337	61	61.7	299	67	48.5	272	71	40.1
1/0	1/2	345	60	59.3	307	67	46.9	279	71	38.8
1/0	1/3	348	60	58.0	310	66	45.9	282	70	38.1
1/0	1/6	353	60	56.6	314	66	44.8	286	70	37.4
2/0	Full	377	63	63.5	333	69	49.2	301	73	40.5
2/0	1/2	388	62	60.9	343	68	47.6	311	72	39.2
2/0	1/3	394	62	59.3	349	68	46.7	317	72	38.2
2/0	1/6	401	61	57.0	356	67	45.0	323	71	37.3
3/0	Full	420	65	64.6	369	71	50.0	333	74	40.7
3/0	1/2	433	64	62.7	381	70	48.4	344	74	39.7
3/0	1/3	442	63	60.6	389	69	47.2	352	73	38.5
3/0	1/6	453	62	57.8	401	68	45.3	363	72	37.3
4/0	Full	467	66	65.2	408	72	49.8	367	75	40.3
4/0	1/2	479	66	64.4	420	72	49.5	378	75	40.0
4/0	1/3	492	65	62.3	432	71	48.0	389	74	39.1
4/0	1/6	510	64	58.7	449	70	45.7	406	74	37.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	525	66	63.8	460	72	49.0	414	75	39.7
250	1/6	550	65	60.0	483	71	46.1	435	74	37.7
250	1/12	566	64	57.1	498	70	44.3	450	74	36.2
250	1/18	572	64	55.9	504	70	43.5	456	73	35.6
350	1/3	592	68	64.1	516	74	48.5	463	77	39.2
350	1/6	636	67	60.7	555	73	46.4	498	76	37.4
350	1/12	668	66	57.0	584	72	43.5	526	75	35.3
350	1/18	680	66	55.1	596	71	42.4	537	75	34.5
500	1/3	663	71	65.0	572	76	48.4	511	79	38.7
500	1/6	715	70	62.3	619	75	46.7	555	78	37.5
500	1/12	779	69	58.7	676	74	44.3	606	77	35.5
500	1/18	805	68	56.2	700	74	42.6	628	77	34.3
750	1/3	737	72	59.2	635	76	43.9	567	79	35.1
750	1/6	773	71	58.5	667	76	43.7	596	79	34.9
750	1/12	866	70	55.4	750	75	41.6	672	78	33.4
750	1/18	921	69	53.5	800	75	40.4	717	78	32.5
750	Open	1067	66	45.2	932	72	34.4	839	75	27.9
1000	1/6	821	73	57.2	705	78	42.3	627	80	33.5
1000	1/12	920	72	55.1	792	77	40.7	706	79	32.5
1000	1/24	1043	71	51.6	902	76	38.6	807	79	31.0
1000	1/36	1105	71	49.9	956	76	37.5	854	79	29.8
1000	Open	1246	68	43.0	1084	73	32.7	973	76	26.4
1250	1/6	870	74	52.6	745	78	38.7	663	80	30.7
1250	1/12	961	72	50.9	826	77	37.7	736	80	30.0
1250	1/24	1101	71	47.4	951	76	35.5	850	79	28.3
1250	1/36	1177	70	45.6	1020	76	34.2	913	79	27.5
1250	Open	1368	67	37.7	1194	72	28.8	1074	76	23.3
1500	Open	1493	68	37.1	1299	73	28.0	1166	76	22.6
1750	Open	1600	69	36.4	1389	74	27.4	1245	77	22.1
2000	Open	1693	69	35.8	1468	74	26.9	1315	77	21.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	100% LF								
2	Full	241	64	48.3	212	70	37.4	191	73	30.5
2	1/2	245	63	47.2	215	69	36.7	194	73	29.8
2	1/3	246	63	46.8	217	69	36.3	195	73	29.4
2	1/6	247	63	46.1	218	69	35.9	197	73	29.4
1	Full	272	65	49.3	237	71	37.8	213	75	30.4
1	1/2	277	64	47.6	242	70	36.7	218	74	29.7
1	1/3	279	64	46.9	245	70	36.0	220	74	29.4
1	1/6	282	64	46.2	247	70	35.7	223	74	29.0
1/0	Full	304	67	50.2	264	72	38.1	237	76	30.7
1/0	1/2	311	66	48.2	272	72	36.7	244	75	29.7
1/0	1/3	315	66	47.5	275	71	36.1	247	75	29.3
1/0	1/6	319	65	46.5	279	71	35.4	251	75	28.7
2/0	Full	338	68	50.9	293	74	38.2	262	77	30.5
2/0	1/2	348	67	49.2	302	73	36.9	271	76	29.8
2/0	1/3	354	67	47.9	308	73	36.3	276	76	29.2
2/0	1/6	361	66	46.3	314	72	35.3	282	76	28.5
3/0	Full	375	70	51.6	323	75	38.2	288	78	30.4
3/0	1/2	386	69	50.0	334	74	37.3	298	78	29.8
3/0	1/3	395	69	48.4	342	74	36.3	306	77	29.2
3/0	1/6	407	68	46.6	353	73	35.1	316	77	28.3
4/0	Full	414	72	51.6	355	76	38.0	316	79	30.0
4/0	1/2	426	71	51.0	366	76	37.7	326	79	30.0
4/0	1/3	438	70	49.5	377	75	36.8	336	78	29.1
4/0	1/6	455	69	46.9	393	75	35.0	351	78	27.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	466	71	50.4	400	76	37.1	356	79	29.3
250	1/6	489	70	47.5	422	75	35.4	376	78	28.1
250	1/12	505	69	45.5	436	75	33.9	390	78	27.0
250	1/18	511	69	44.6	442	74	33.3	395	77	26.7
350	1/3	526	74	50.6	448	78	36.8	397	81	28.9
350	1/6	562	73	47.4	481	77	34.7	427	80	27.6
350	1/12	591	71	44.5	508	76	32.9	452	79	26.2
350	1/18	603	71	43.5	519	76	32.3	462	79	25.7
500	1/3	584	76	50.4	496	80	36.5	438	83	28.5
500	1/6	632	75	48.7	536	80	35.1	474	82	27.5
500	1/12	684	74	45.3	583	78	32.9	516	81	25.8
500	1/18	708	73	43.6	605	78	31.9	536	80	25.1
750	1/3	647	77	45.6	548	81	32.7	484	83	25.6
750	1/6	679	76	45.2	577	80	32.5	510	82	25.6
750	1/12	763	75	43.1	649	80	31.3	573	82	24.5
750	1/18	810	75	41.4	688	79	30.0	609	81	23.5
750	Open	942	72	35.3	808	76	26.0	718	79	20.5
1000	1/6	717	77	43.8	605	81	31.2	533	83	24.3
1000	1/12	804	77	42.1	681	81	30.2	601	83	23.5
1000	1/24	914	76	39.8	773	80	28.5	682	82	22.2
1000	1/36	963	76	37.9	816	80	27.4	721	82	21.4
1000	Open	1094	73	33.3	934	78	24.3	829	80	19.1
1250	1/6	756	78	39.9	638	81	28.3	562	83	21.9
1250	1/12	838	77	38.7	708	81	27.6	624	83	21.6
1250	1/24	963	77	36.4	816	81	26.1	719	83	20.3
1250	1/36	1026	76	34.7	870	80	25.0	768	82	19.4
1250	Open	1201	72	29.2	1029	77	21.4	914	80	16.9
1500	Open	1306	73	28.3	1116	78	20.7	989	80	16.4
1750	Open	1395	74	27.7	1189	78	20.2	1054	81	15.8
2000	Open	1474	74	27.2	1254	79	19.7	1110	81	15.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size		Neut. Size		----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
				Interface			Interface			Interface		
				Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
75% LF												
2	Full	247	53	49.7	221	58	39.9	202	62	33.4		
2	1/2	250	53	48.3	225	58	38.9	205	62	32.7		
2	1/3	252	52	47.6	226	58	38.5	207	61	32.3		
2	1/6	253	52	47.2	227	58	38.1	208	61	32.0		
1	Full	279	54	51.1	249	60	40.6	226	63	33.9		
1	1/2	284	54	49.3	254	59	39.2	232	63	32.9		
1	1/3	287	54	48.6	256	59	38.8	234	62	32.2		
1	1/6	289	53	47.6	259	59	38.1	236	62	31.8		
1/0	Full	313	56	52.6	278	61	41.5	252	64	34.1		
1/0	1/2	321	55	50.6	285	60	40.1	259	64	33.0		
1/0	1/3	325	55	49.2	289	60	39.1	263	63	32.4		
1/0	1/6	329	54	47.9	293	60	38.1	267	63	31.7		
2/0	Full	350	57	54.1	309	62	42.1	279	66	34.7		
2/0	1/2	360	57	52.2	318	62	40.8	289	65	33.4		
2/0	1/3	366	56	50.5	324	61	39.5	294	65	32.7		
2/0	1/6	373	55	48.6	331	61	38.2	301	64	31.8		
3/0	Full	389	59	55.3	342	64	42.5	308	67	34.5		
3/0	1/2	401	58	53.7	353	63	41.6	319	66	33.8		
3/0	1/3	410	58	51.9	361	63	40.4	327	66	32.9		
3/0	1/6	422	57	49.4	373	62	38.5	338	65	31.7		
4/0	Full	433	60	55.5	378	65	42.4	340	68	34.4		
4/0	1/2	442	60	54.9	388	65	42.1	349	68	34.4		
4/0	1/3	455	59	53.4	399	64	41.2	360	67	33.5		
4/0	1/6	474	58	50.1	416	63	38.8	376	66	31.7		

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	484	60	54.5	424	65	41.7	381	68	33.9
250	1/6	510	59	51.3	447	64	39.4	403	67	32.2
250	1/12	527	58	48.7	463	63	37.7	418	66	30.7
250	1/18	533	58	47.5	469	63	37.1	424	66	30.1
350	1/3	544	62	54.9	473	66	41.6	424	69	33.4
350	1/6	585	61	52.0	511	66	39.8	459	69	32.1
350	1/12	619	60	48.8	541	65	37.1	487	68	30.2
350	1/18	632	59	47.2	553	64	36.1	498	67	29.4
500	1/3	608	64	55.5	524	68	41.1	468	71	32.9
500	1/6	654	63	53.3	566	67	39.9	506	70	32.1
500	1/12	717	62	50.2	623	67	38.0	558	70	30.4
500	1/18	745	62	48.2	647	66	36.5	580	69	29.2
750	1/3	677	65	50.1	583	69	37.2	520	71	29.8
750	1/6	704	64	49.9	607	68	37.2	542	71	29.8
750	1/12	789	63	47.5	683	67	35.5	612	70	28.5
750	1/18	843	62	45.6	732	67	34.4	656	70	27.7
750	Open	995	60	38.2	870	65	29.2	782	68	23.7
1000	1/6	747	66	48.8	641	70	36.0	570	72	28.5
1000	1/12	834	65	47.1	717	69	34.8	639	71	27.7
1000	1/24	952	64	44.2	823	68	33.1	735	71	26.4
1000	1/36	1014	64	42.7	878	68	32.1	784	71	25.6
1000	Open	1162	61	36.5	1010	66	27.5	907	69	22.2
1250	1/6	792	66	44.7	679	70	32.8	604	72	26.0
1250	1/12	870	65	43.6	747	69	32.2	666	72	25.5
1250	1/24	1002	64	40.7	864	68	30.3	772	70	24.3
1250	1/36	1076	63	39.0	931	68	29.3	833	70	23.5
1250	Open	1275	60	32.0	1112	65	24.3	1000	68	19.8
1500	Open	1389	61	31.4	1209	66	23.7	1085	69	19.1
1750	Open	1487	62	30.7	1291	66	23.3	1157	69	18.7
2000	Open	1574	62	30.3	1364	67	22.8	1221	69	18.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	225	58	41.4	197	63	32.0	178	66	25.8
2	1/2	228	57	39.9	201	62	30.9	181	66	25.4
2	1/3	229	57	39.6	202	62	30.9	182	66	25.1
2	1/6	231	57	39.2	203	62	30.5	184	65	24.7
1	Full	253	59	42.0	221	64	32.2	198	67	25.9
1	1/2	258	59	40.6	226	64	31.1	203	67	25.2
1	1/3	260	58	39.9	228	63	30.8	205	66	24.8
1	1/6	263	58	39.2	230	63	30.4	208	66	24.5
1/0	Full	282	60	42.8	245	65	32.4	220	68	26.0
1/0	1/2	290	60	41.1	252	65	31.4	226	68	25.3
1/0	1/3	293	59	40.5	256	64	30.7	230	67	24.9
1/0	1/6	298	59	39.4	260	64	30.0	234	67	24.3
2/0	Full	313	62	43.4	271	66	32.4	242	69	25.9
2/0	1/2	323	61	41.8	280	66	31.4	251	69	25.3
2/0	1/3	329	61	40.8	286	65	30.8	256	68	24.9
2/0	1/6	336	60	39.5	293	65	29.8	263	68	24.0
3/0	Full	347	63	43.8	299	68	32.6	266	70	25.8
3/0	1/2	358	63	42.9	309	67	32.0	276	70	25.5
3/0	1/3	366	62	41.6	317	67	31.1	283	69	24.8
3/0	1/6	378	61	39.7	328	66	29.8	293	69	23.9
4/0	Full	384	65	43.6	329	69	32.3	293	71	25.5
4/0	1/2	393	64	43.6	338	68	32.0	301	71	25.5
4/0	1/3	405	64	42.4	348	68	31.4	310	70	24.9
4/0	1/6	422	63	40.0	365	67	30.0	325	70	23.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	430	65	43.2	369	69	31.9	328	71	25.2
250	1/6	454	63	40.6	390	68	30.1	348	70	23.8
250	1/12	470	63	38.8	405	67	29.0	362	70	22.9
250	1/18	476	62	38.0	411	67	28.4	367	69	22.6
350	1/3	483	67	43.2	412	70	31.5	365	72	24.7
350	1/6	518	65	40.8	443	69	29.7	393	72	23.6
350	1/12	548	64	38.2	470	68	28.1	418	71	22.3
350	1/18	560	64	37.1	482	68	27.6	429	71	21.7
500	1/3	535	68	43.1	454	72	30.9	401	74	24.1
500	1/6	578	68	41.6	491	71	30.2	434	73	23.6
500	1/12	630	67	38.7	537	70	28.2	475	72	22.2
500	1/18	654	66	37.2	558	70	27.3	495	72	21.4
750	1/3	594	69	38.7	503	72	27.7	444	74	21.8
750	1/6	618	68	38.7	524	71	27.9	463	73	21.8
750	1/12	695	68	36.8	592	71	26.6	523	73	20.9
750	1/18	743	67	35.5	631	71	25.6	558	73	20.1
750	Open	879	64	29.8	753	69	22.0	670	71	17.3
1000	1/6	652	69	37.1	550	72	26.6	485	74	20.7
1000	1/12	729	69	36.0	617	72	25.8	544	74	20.1
1000	1/24	835	69	34.0	706	72	24.5	623	74	18.9
1000	1/36	885	68	32.5	749	71	23.3	662	73	18.4
1000	Open	1020	66	28.1	871	69	20.5	773	72	16.3
1250	1/6	689	70	33.8	580	73	24.1	511	74	18.8
1250	1/12	758	69	33.0	640	72	23.6	564	74	18.4
1250	1/24	875	69	31.0	742	72	22.4	654	74	17.4
1250	1/36	940	68	29.8	796	72	21.4	702	73	16.6
1250	Open	1119	65	24.6	958	69	18.1	851	71	14.2
1500	Open	1215	66	24.0	1038	70	17.5	921	72	13.8
1750	Open	1297	66	23.4	1106	70	17.0	979	72	13.4
2000	Open	1369	67	23.0	1165	70	16.7	1031	72	13.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
2	Full	237	51	45.4	212	55	36.3	194	59	30.5
2	1/2	240	50	43.9	215	55	35.6	197	58	29.8
2	1/3	242	50	43.6	217	55	34.9	198	58	29.4
2	1/6	243	50	42.8	218	55	34.5	200	58	29.0
1	Full	268	52	46.9	238	57	37.1	217	60	30.8
1	1/2	273	51	45.1	243	56	36.0	222	59	29.7
1	1/3	275	51	44.1	246	56	35.3	224	59	29.4
1	1/6	278	51	43.4	248	56	34.6	227	59	29.0
1/0	Full	300	53	48.2	266	58	37.8	241	61	31.4
1/0	1/2	308	52	46.2	273	57	36.4	248	60	30.0
1/0	1/3	311	52	45.2	277	57	35.7	252	60	29.7
1/0	1/6	316	52	43.8	281	57	34.7	256	60	29.0
2/0	Full	335	55	49.6	295	59	38.6	267	62	31.4
2/0	1/2	345	54	47.6	305	58	37.3	276	61	30.5
2/0	1/3	351	53	46.0	310	58	36.3	282	61	29.8
2/0	1/6	358	53	44.4	318	57	35.0	289	61	28.8
3/0	Full	373	56	50.3	327	60	38.8	295	63	31.7
3/0	1/2	384	55	49.1	337	60	37.9	305	63	31.1
3/0	1/3	392	55	47.5	346	59	37.0	312	62	30.1
3/0	1/6	404	54	45.0	357	59	35.1	324	62	28.9
4/0	Full	414	57	50.7	362	61	38.6	325	64	31.4
4/0	1/2	422	56	50.1	370	61	38.6	333	64	31.4
4/0	1/3	435	56	48.9	381	61	37.7	344	63	30.5
4/0	1/6	454	55	46.0	399	60	35.6	360	63	29.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface Temp Flux			Interface Temp Flux			Interface Temp Flux		
		75% LF								
250	1/3	462	57	49.8	404	61	38.3	364	64	31.0
250	1/6	488	56	46.9	428	60	35.9	385	63	29.3
250	1/12	505	55	44.3	444	60	34.2	401	63	28.1
250	1/18	511	55	43.5	450	59	33.6	407	62	27.5
350	1/3	518	58	50.1	450	63	37.9	404	65	30.5
350	1/6	558	58	47.7	487	62	36.3	438	65	29.4
350	1/12	592	57	44.5	517	61	33.9	465	64	27.6
350	1/18	605	56	42.9	530	61	33.1	477	63	26.8
500	1/3	579	61	50.6	499	64	37.5	445	67	29.9
500	1/6	622	60	48.9	538	64	36.5	481	66	29.2
500	1/12	683	59	45.8	594	63	34.6	532	66	27.8
500	1/18	712	59	44.1	618	63	33.4	554	65	26.8
750	1/3	646	61	45.6	556	65	33.8	496	67	27.0
750	1/6	667	61	45.6	575	64	34.0	513	67	27.0
750	1/12	749	60	43.3	648	64	32.5	580	66	26.0
750	1/18	802	59	41.8	695	63	31.5	623	66	25.4
750	Open	956	57	34.6	835	61	26.6	751	64	21.5
1000	1/6	708	62	44.6	607	66	32.7	540	68	26.0
1000	1/12	789	61	43.0	678	65	31.8	604	67	25.2
1000	1/24	904	60	40.4	780	64	30.2	697	66	24.1
1000	1/36	965	60	39.0	835	64	29.3	746	67	23.3
1000	Open	1115	58	33.1	970	62	25.1	870	65	20.3
1250	1/6	752	63	40.9	644	66	30.0	573	68	23.6
1250	1/12	823	62	39.7	706	65	29.3	629	67	23.3
1250	1/24	949	61	37.2	818	64	27.6	731	66	22.1
1250	1/36	1021	60	35.7	884	64	26.6	791	66	21.4
1250	Open	1223	57	29.0	1067	61	22.1	959	64	17.9
1500	Open	1332	58	28.5	1159	62	21.6	1040	65	17.5
1750	Open	1426	59	28.0	1237	63	21.2	1109	65	17.0
2000	Open	1508	59	27.5	1307	63	20.8	1170	65	16.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	215	55	37.8	189	59	29.0	170	62	23.6
2	1/2	219	54	36.7	192	59	28.3	174	62	22.9
2	1/3	220	54	36.3	194	59	28.0	175	62	22.9
2	1/6	222	54	35.6	195	59	27.6	176	62	22.5
1	Full	242	56	38.5	211	61	29.4	190	63	23.8
1	1/2	247	56	37.1	216	60	28.3	195	63	23.1
1	1/3	250	55	36.4	219	60	28.0	197	63	22.7
1	1/6	252	55	35.7	221	60	27.6	199	63	22.4
1/0	Full	270	57	39.1	235	62	29.7	210	64	23.6
1/0	1/2	277	57	37.8	242	61	28.7	217	64	22.9
1/0	1/3	281	56	36.7	245	61	28.0	220	64	22.6
1/0	1/6	286	56	35.7	250	60	27.3	224	63	22.3
2/0	Full	300	59	39.5	260	63	29.8	232	65	23.7
2/0	1/2	309	58	38.2	268	62	28.8	240	65	23.0
2/0	1/3	315	58	37.3	274	62	28.2	245	64	22.7
2/0	1/6	323	57	36.0	281	61	27.2	252	64	22.0
3/0	Full	332	60	40.1	286	64	29.8	255	66	23.6
3/0	1/2	342	59	39.1	295	63	29.2	263	66	23.3
3/0	1/3	351	59	37.9	303	63	28.3	271	65	22.7
3/0	1/6	363	58	36.3	314	62	27.3	281	65	21.7
4/0	Full	367	61	39.7	315	65	29.4	280	67	23.1
4/0	1/2	376	61	39.7	323	64	29.4	287	67	23.1
4/0	1/3	387	60	38.6	333	64	28.8	296	66	22.8
4/0	1/6	404	59	36.5	349	63	27.3	311	66	21.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	411	61	39.4	352	65	29.0	313	67	22.9
250	1/6	434	60	37.1	373	64	27.5	332	66	21.7
250	1/12	450	59	35.4	388	63	26.4	347	66	20.9
250	1/18	457	59	34.8	394	63	25.8	352	65	20.6
350	1/3	460	63	39.5	392	66	28.6	347	68	22.5
350	1/6	494	62	37.4	422	65	27.3	374	68	21.5
350	1/12	524	61	35.0	450	65	25.7	400	67	20.4
350	1/18	537	60	33.9	461	64	25.2	410	66	19.9
500	1/3	510	65	39.2	432	68	28.2	382	69	22.2
500	1/6	549	64	38.0	467	67	27.5	412	69	21.4
500	1/12	601	63	35.5	511	66	25.8	453	68	20.2
500	1/18	625	62	34.1	533	66	24.8	473	68	19.5
750	1/3	566	65	35.1	479	68	25.4	423	70	19.6
750	1/6	586	64	35.3	497	67	25.4	439	69	19.9
750	1/12	659	64	33.6	561	67	24.3	496	69	19.2
750	1/18	707	64	32.5	600	67	23.5	530	69	18.4
750	Open	844	61	27.0	723	65	19.9	643	67	15.8
1000	1/6	618	65	33.9	521	68	24.1	459	70	18.7
1000	1/12	690	65	32.9	583	68	23.5	514	70	18.4
1000	1/24	792	65	31.2	671	68	22.4	591	69	17.4
1000	1/36	842	64	29.8	713	67	21.4	629	69	16.6
1000	Open	979	62	25.6	836	65	18.7	741	68	14.7
1250	1/6	654	66	30.8	551	68	21.9	485	70	17.1
1250	1/12	716	65	30.2	605	68	21.6	533	70	16.8
1250	1/24	829	65	28.5	702	68	20.4	620	70	15.9
1250	1/36	893	64	27.3	756	67	19.6	667	69	15.2
1250	Open	1073	61	22.4	919	65	16.4	816	67	13.1
1500	Open	1165	62	21.8	995	65	15.9	883	68	12.6
1750	Open	1243	62	21.3	1060	66	15.5	939	68	12.2
2000	Open	1312	63	20.9	1117	66	15.2	988	68	11.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²	Amps	Temp °C	Flux w/ft ²
75% LF										
2	Full	215	46	36.7	192	50	29.4	175	52	24.3
2	1/2	218	45	35.6	195	49	28.3	179	52	24.0
2	1/3	219	45	34.9	197	49	28.0	180	52	23.6
2	1/6	221	45	34.5	198	49	27.6	182	51	23.2
1	Full	242	47	37.8	215	50	30.1	196	53	24.8
1	1/2	247	46	36.4	220	50	29.0	201	53	24.1
1	1/3	249	46	35.7	223	50	28.3	203	52	23.8
1	1/6	252	46	34.6	225	50	27.6	206	52	23.1
1/0	Full	271	48	38.8	240	51	30.7	218	54	25.3
1/0	1/2	278	47	37.4	247	51	29.3	224	53	24.3
1/0	1/3	282	47	36.4	251	51	28.7	228	53	23.9
1/0	1/6	286	46	35.1	255	50	28.0	232	53	23.3
2/0	Full	302	49	39.8	266	52	31.1	241	55	25.3
2/0	1/2	311	48	38.6	275	52	30.1	249	54	24.6
2/0	1/3	317	48	37.3	280	52	29.2	254	54	24.0
2/0	1/6	324	47	35.6	288	51	28.2	261	54	23.3
3/0	Full	336	50	40.4	294	53	31.1	265	56	25.5
3/0	1/2	345	49	39.7	303	53	30.7	274	55	25.2
3/0	1/3	354	49	38.5	311	53	29.8	281	55	24.2
3/0	1/6	366	48	36.3	323	52	28.3	292	54	23.3
4/0	Full	373	51	40.6	326	54	31.1	293	56	25.2
4/0	1/2	378	50	40.6	331	54	31.1	299	56	25.2
4/0	1/3	390	50	39.4	342	54	30.5	308	56	24.6
4/0	1/6	409	49	37.1	359	53	28.8	324	55	23.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
75% LF										
250	1/3	413	51	40.3	361	54	30.7	325	56	24.9
250	1/6	439	50	38.0	385	54	29.3	346	56	23.8
250	1/12	456	49	35.9	401	53	27.5	362	55	22.6
250	1/18	463	49	35.1	407	53	27.2	368	55	22.0
350	1/3	463	52	40.6	402	55	30.5	360	57	24.7
350	1/6	499	51	38.4	435	55	29.4	390	57	23.6
350	1/12	533	51	36.1	465	54	27.6	418	56	22.3
350	1/18	546	50	34.7	478	54	26.5	430	56	21.7
500	1/3	516	54	40.7	445	57	30.2	397	58	24.1
500	1/6	552	53	39.4	477	56	29.5	426	58	23.6
500	1/12	610	52	37.2	529	56	28.0	474	58	22.6
500	1/18	639	52	35.8	555	55	27.0	496	57	21.7
750	1/3	577	54	36.5	497	57	27.0	443	59	21.5
750	1/6	590	54	36.8	508	57	27.3	453	58	21.8
750	1/12	662	53	35.1	572	56	26.2	511	58	21.1
750	1/18	712	52	33.8	617	56	25.4	552	58	20.5
750	Open	867	50	27.9	758	54	21.3	681	56	17.1
1000	1/6	626	55	35.8	537	58	26.2	477	59	20.8
1000	1/12	694	54	34.8	596	57	25.6	531	59	20.5
1000	1/24	799	53	32.7	689	56	24.3	615	58	19.5
1000	1/36	858	53	31.6	741	56	23.5	663	58	18.9
1000	Open	1011	51	26.6	879	55	20.1	789	57	16.3
1250	1/6	667	55	32.8	570	58	24.0	507	59	18.9
1250	1/12	722	55	32.2	619	57	23.6	551	59	18.8
1250	1/24	836	54	30.2	720	57	22.4	643	58	17.9
1250	1/36	905	53	28.8	782	56	21.6	699	58	17.3
1250	Open	1108	51	23.3	966	54	17.8	868	56	14.4
1500	Open	1206	51	22.8	1048	55	17.3	941	57	14.0
1750	Open	1290	52	22.4	1120	55	16.9	1003	57	13.5
2000	Open	1362	52	22.1	1180	55	16.5	1056	57	13.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	195	49	30.1	171	53	23.2	154	55	18.9
2	1/2	198	49	29.4	174	52	22.9	157	55	18.5
2	1/3	200	48	29.0	176	52	22.5	159	55	18.2
2	1/6	201	48	28.7	177	52	22.1	160	54	18.2
1	Full	219	50	30.8	191	54	23.4	171	56	18.9
1	1/2	224	50	29.7	196	53	22.7	176	55	18.5
1	1/3	226	49	29.4	198	53	22.4	178	55	18.2
1	1/6	229	49	28.7	201	53	22.0	181	55	17.8
1/0	Full	244	51	31.4	212	54	23.9	190	57	19.2
1/0	1/2	251	50	30.3	218	54	22.9	196	56	18.5
1/0	1/3	255	50	29.7	222	54	22.6	199	56	18.2
1/0	1/6	259	50	28.7	226	53	21.9	203	56	17.9
2/0	Full	270	52	32.1	234	55	24.0	209	57	19.1
2/0	1/2	279	52	31.1	242	55	23.3	216	57	18.8
2/0	1/3	285	51	30.1	247	55	22.7	221	57	18.1
2/0	1/6	292	51	28.8	254	54	22.0	228	56	17.8
3/0	Full	299	53	32.3	257	56	23.9	229	58	18.9
3/0	1/2	308	53	31.7	265	56	23.6	237	58	18.6
3/0	1/3	316	52	30.7	273	55	23.0	244	57	18.3
3/0	1/6	328	52	29.2	284	55	22.0	254	57	17.7
4/0	Full	331	54	32.0	283	57	23.4	252	59	18.7
4/0	1/2	337	54	32.3	289	57	23.7	257	58	18.7
4/0	1/3	347	53	31.4	298	56	23.1	266	58	18.4
4/0	1/6	365	53	29.7	314	56	21.9	280	58	17.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	368	54	31.9	315	57	23.5	280	59	18.5
250	1/6	390	53	30.1	335	56	22.3	299	58	17.7
250	1/12	407	53	28.4	351	56	21.2	313	58	16.8
250	1/18	413	52	27.8	357	56	20.9	318	57	16.5
350	1/3	410	55	31.8	350	58	23.3	309	60	18.3
350	1/6	442	55	30.2	377	58	22.0	334	59	17.5
350	1/12	472	54	28.4	404	57	20.7	359	59	16.4
350	1/18	484	53	27.3	416	56	20.1	370	58	15.9
500	1/3	454	57	31.6	385	59	22.6	340	61	17.8
500	1/6	487	56	30.7	414	59	22.2	366	60	17.5
500	1/12	537	56	28.7	456	58	20.9	404	60	16.3
500	1/18	561	55	27.5	478	58	20.2	423	59	15.8
750	1/3	506	57	28.1	428	60	20.3	378	61	15.8
750	1/6	518	56	28.3	439	59	20.5	387	60	15.8
750	1/12	582	56	27.3	495	59	19.6	438	60	15.4
750	1/18	627	56	26.4	533	59	19.0	471	60	14.8
750	Open	766	54	21.8	656	57	16.1	583	58	12.7
1000	1/6	546	57	27.2	461	60	19.3	405	61	15.1
1000	1/12	606	57	26.6	512	59	18.9	451	61	14.7
1000	1/24	700	57	25.1	594	59	18.2	523	61	14.2
1000	1/36	750	57	24.1	635	59	17.4	560	60	13.6
1000	Open	887	55	20.5	758	57	14.9	672	59	11.9
1250	1/6	579	58	24.8	488	60	17.6	429	61	13.6
1250	1/12	629	57	24.5	530	60	17.4	467	61	13.6
1250	1/24	730	57	23.0	618	59	16.6	545	61	12.9
1250	1/36	792	57	22.1	670	59	15.9	590	60	12.4
1250	Open	972	54	17.9	832	57	13.2	739	59	10.4
1500	Open	1055	55	17.5	900	57	12.7	798	59	10.0
1750	Open	1126	55	17.0	959	58	12.5	849	59	9.7
2000	Open	1185	55	16.7	1008	58	12.1	892	60	9.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
75% LF										
2	Full	173	38	23.2	154	40	18.5	141	42	15.6
2	1/2	176	38	22.5	157	40	17.8	144	42	14.9
2	1/3	177	38	22.1	159	40	17.8	145	42	14.9
2	1/6	179	37	21.4	160	40	17.4	147	42	14.5
1	Full	194	39	24.1	173	41	18.9	157	43	15.7
1	1/2	199	38	23.1	177	41	18.2	161	42	15.0
1	1/3	201	38	22.4	179	41	17.8	164	42	15.0
1	1/6	204	38	21.7	182	40	17.5	166	42	14.7
1/0	Full	217	39	24.6	192	42	19.2	174	43	15.8
1/0	1/2	223	39	23.6	198	41	18.5	180	43	15.5
1/0	1/3	227	39	22.9	201	41	18.2	183	43	15.2
1/0	1/6	231	39	22.3	206	41	17.5	187	42	14.5
2/0	Full	242	40	25.3	213	42	19.4	192	44	15.9
2/0	1/2	249	40	24.6	219	42	19.1	198	43	15.6
2/0	1/3	254	39	23.7	225	42	18.5	203	43	15.2
2/0	1/6	261	39	22.7	232	41	17.8	210	43	14.6
3/0	Full	269	41	25.5	235	43	19.6	212	44	15.8
3/0	1/2	274	40	25.2	241	43	19.6	217	44	15.8
3/0	1/3	282	40	24.5	248	42	18.9	224	44	15.5
3/0	1/6	294	40	23.0	259	42	18.0	234	43	14.6
4/0	Full	299	41	25.5	260	43	19.6	234	45	15.7
4/0	1/2	300	41	25.8	262	43	19.6	236	45	16.0
4/0	1/3	309	41	25.2	271	43	19.3	244	44	15.7
4/0	1/6	327	40	23.7	287	43	18.4	259	44	14.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²		
75% LF										
250	1/3	326	41	25.8	285	43	19.7	256	45	15.9
250	1/6	349	41	24.3	306	43	18.5	275	44	15.1
250	1/12	366	40	22.6	321	43	17.4	289	44	14.2
250	1/18	372	40	22.0	327	42	17.1	295	44	13.9
350	1/3	364	42	25.7	315	44	19.4	282	45	15.6
350	1/6	392	42	24.7	341	44	18.6	306	45	15.1
350	1/12	425	41	23.1	370	43	17.5	332	45	14.0
350	1/18	437	41	22.0	382	43	17.0	343	44	13.8
500	1/3	406	43	25.8	349	45	19.0	311	46	15.1
500	1/6	430	43	25.1	371	45	18.7	331	46	14.9
500	1/12	479	42	23.6	414	44	17.8	371	45	14.4
500	1/18	505	42	22.9	439	44	17.3	392	45	13.9
750	1/3	457	43	23.0	393	45	16.9	350	46	13.5
750	1/6	457	43	23.2	393	45	17.3	350	46	13.7
750	1/12	512	43	22.4	441	45	16.7	394	46	13.3
750	1/18	554	42	21.5	479	44	16.1	428	45	12.9
750	Open	701	41	17.3	612	43	13.3	549	44	10.8
1000	1/6	487	44	22.6	416	46	16.4	370	46	13.0
1000	1/12	533	44	22.0	457	45	16.3	406	46	12.8
1000	1/24	618	43	20.8	532	45	15.5	474	46	12.2
1000	1/36	669	43	20.1	577	45	14.9	515	46	11.9
1000	Open	815	42	16.6	708	44	12.6	635	45	10.1
1250	1/6	520	44	20.6	445	46	15.1	395	47	11.9
1250	1/12	554	44	20.4	474	45	14.9	421	46	11.9
1250	1/24	643	43	19.3	553	45	14.2	492	46	11.4
1250	1/36	701	43	18.4	605	45	13.7	540	46	10.9
1250	Open	892	41	14.6	777	43	11.1	698	45	8.9
1500	Open	969	42	14.3	842	44	10.8	755	45	8.8
1750	Open	1036	42	14.0	898	44	10.5	804	45	8.5
2000	Open	1092	42	13.7	946	44	10.4	845	45	8.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
2	Full	157	40	19.2	137	42	14.9	124	44	12.0
2	1/2	160	40	18.5	140	42	14.2	127	44	11.6
2	1/3	161	40	18.2	142	42	14.2	128	44	11.6
2	1/6	163	40	17.8	143	42	13.8	129	43	11.3
1	Full	176	41	19.6	153	43	15.0	137	44	11.9
1	1/2	180	40	18.9	157	43	14.3	141	44	11.5
1	1/3	182	40	18.5	160	43	14.3	143	44	11.5
1	1/6	185	40	18.2	162	42	14.0	146	44	11.2
1/0	Full	195	41	19.9	169	44	15.2	151	45	12.1
1/0	1/2	201	41	19.2	175	43	14.5	157	45	11.8
1/0	1/3	205	41	18.9	178	43	14.2	160	44	11.5
1/0	1/6	209	41	18.2	182	43	13.8	164	44	11.1
2/0	Full	216	42	20.1	187	44	15.2	167	45	12.0
2/0	1/2	223	42	19.8	193	44	14.9	172	45	11.7
2/0	1/3	228	42	19.1	198	44	14.3	177	45	11.7
2/0	1/6	235	41	18.1	204	43	13.9	183	45	11.0
3/0	Full	239	43	20.2	205	45	14.9	183	46	11.8
3/0	1/2	245	42	20.2	211	44	14.9	188	46	11.8
3/0	1/3	252	42	19.6	217	44	14.6	194	45	11.5
3/0	1/6	263	42	18.6	227	44	14.0	203	45	11.2
4/0	Full	264	43	20.2	226	45	14.8	201	46	11.6
4/0	1/2	267	43	20.5	229	45	15.1	203	46	11.9
4/0	1/3	276	43	19.9	236	45	14.8	210	46	11.6
4/0	1/6	291	42	18.7	251	44	13.9	223	46	11.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	291	43	20.3	249	45	15.1	221	46	11.9
250	1/6	310	43	19.1	266	45	14.2	237	46	11.3
250	1/12	326	42	18.0	281	44	13.3	250	46	10.7
250	1/18	332	42	17.7	286	44	13.0	255	45	10.4
350	1/3	322	44	20.1	275	46	14.8	243	47	11.4
350	1/6	348	44	19.4	297	46	14.0	263	47	11.1
350	1/12	375	43	18.0	321	45	13.3	285	46	10.3
350	1/18	387	43	17.5	332	45	12.7	295	46	10.1
500	1/3	357	45	20.0	302	47	14.4	266	47	11.2
500	1/6	379	45	19.5	321	46	14.1	284	47	11.0
500	1/12	422	44	18.5	358	46	13.4	316	47	10.5
500	1/18	444	44	17.5	378	46	12.9	334	47	10.0
750	1/3	400	45	17.5	338	47	12.7	298	48	9.7
750	1/6	401	45	18.0	339	46	12.9	299	47	10.1
750	1/12	450	45	17.3	382	46	12.5	337	47	9.7
750	1/18	487	44	16.7	414	46	12.0	366	47	9.5
750	Open	618	43	13.5	530	45	9.9	470	46	7.8
1000	1/6	424	45	17.2	357	47	12.2	314	47	9.4
1000	1/12	465	45	16.8	392	47	12.1	345	47	9.4
1000	1/24	541	45	16.1	458	47	11.5	403	47	9.0
1000	1/36	586	45	15.5	495	46	11.1	436	47	8.6
1000	Open	716	44	12.8	611	45	9.4	541	46	7.5
1250	1/6	452	46	15.6	380	47	11.1	334	48	8.5
1250	1/12	482	45	15.4	406	47	11.1	357	47	8.5
1250	1/24	561	45	14.7	474	47	10.6	418	47	8.2
1250	1/36	613	45	14.1	519	47	10.2	457	47	7.9
1250	Open	783	43	11.2	670	45	8.2	594	46	6.5
1500	Open	848	44	11.0	723	45	8.0	641	46	6.4
1750	Open	904	44	10.7	769	46	7.8	680	47	6.1
2000	Open	950	44	10.5	808	46	7.6	714	47	6.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
75% LF										
2	Full	251	61	52.6	223	67	41.4	202	71	34.1
2	1/2	255	61	51.6	227	67	40.7	206	71	33.8
2	1/3	257	60	50.8	228	67	40.3	207	71	33.4
2	1/6	258	60	50.5	229	66	39.9	209	71	33.0
1	Full	282	63	53.5	249	69	41.6	226	73	34.3
1	1/2	289	62	52.1	255	68	40.6	232	72	33.6
1	1/3	291	62	51.4	258	68	40.6	234	72	33.2
1	1/6	294	61	50.7	260	68	39.9	237	72	32.9
1/0	Full	315	64	54.3	277	70	42.1	250	74	34.4
1/0	1/2	324	63	52.6	286	69	40.8	258	73	33.4
1/0	1/3	329	63	51.9	290	69	40.5	262	73	33.0
1/0	1/6	334	63	50.9	295	69	39.8	267	73	32.4
2/0	Full	351	66	55.1	307	72	42.1	276	75	34.3
2/0	1/2	362	65	53.5	317	71	41.1	286	74	33.4
2/0	1/3	369	65	52.5	324	70	40.5	292	74	33.0
2/0	1/6	379	64	51.2	332	70	39.5	300	74	32.4
3/0	Full	388	68	55.9	338	73	42.2	303	76	34.2
3/0	1/2	401	67	54.3	350	72	41.3	314	76	33.2
3/0	1/3	411	66	53.1	359	72	40.4	323	75	32.9
3/0	1/6	428	66	51.9	374	71	39.7	336	75	32.0
4/0	Full	430	69	55.8	372	74	41.8	333	77	33.5
4/0	1/2	440	69	55.2	382	74	41.5	342	77	33.2
4/0	1/3	454	68	53.7	395	73	40.6	354	77	32.6
4/0	1/6	475	67	51.6	414	72	39.1	373	76	31.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	75% LF								
250	1/3	482	69	54.5	418	74	40.9	374	77	32.7
250	1/6	510	68	51.9	444	73	39.4	398	77	31.6
250	1/12	530	67	50.1	462	72	38.3	415	76	30.7
250	1/18	537	67	49.6	469	72	37.7	421	76	30.4
350	1/3	542	72	54.6	465	76	40.3	415	79	32.1
350	1/6	582	70	51.7	502	75	38.4	449	78	30.7
350	1/12	618	69	49.3	536	74	37.1	480	77	29.7
350	1/18	633	68	48.2	549	74	36.3	493	77	29.2
500	1/3	601	74	54.5	513	79	39.7	456	81	31.4
500	1/6	649	73	52.3	556	78	38.5	495	80	30.4
500	1/12	711	72	49.7	613	76	36.8	544	79	29.2
500	1/18	739	71	48.0	637	76	35.8	569	79	28.5
750	1/3	666	75	49.2	569	79	35.9	504	81	28.1
750	1/6	698	74	48.8	597	79	35.7	529	81	28.1
750	1/12	783	73	46.5	672	78	34.2	596	80	27.0
750	1/18	835	72	44.8	717	77	33.2	641	80	26.4
750	Open	997	69	39.5	862	75	29.6	771	78	23.7
1000	1/6	738	76	47.4	627	80	34.2	555	82	27.0
1000	1/12	826	75	45.7	704	79	33.1	623	82	26.0
1000	1/24	940	74	43.0	806	78	31.6	718	81	25.1
1000	1/36	999	73	41.5	856	78	30.6	766	80	24.5
1000	Open	1159	71	37.3	999	76	27.7	892	79	22.2
1250	1/6	779	77	43.4	661	80	31.3	585	83	24.5
1250	1/12	860	76	42.1	732	80	30.5	648	82	24.0
1250	1/24	992	74	39.5	845	78	28.8	751	81	22.8
1250	1/36	1060	73	37.7	908	78	27.8	807	80	21.9
1250	Open	1273	70	32.7	1100	75	24.5	984	78	19.6
1500	Open	1386	71	32.0	1196	76	23.9	1067	79	18.9
1750	Open	1486	71	31.5	1275	76	23.1	1137	79	18.4
2000	Open	1572	72	30.8	1347	77	22.7	1199	80	18.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
2	Full1	225	67	42.5	196	72	32.0	176	76	25.8
2	1/2	229	66	41.4	200	72	31.6	179	76	25.4
2	1/3	230	66	41.0	201	72	31.2	180	75	25.1
2	1/6	232	66	40.7	202	72	31.2	181	75	25.1
1	Full1	252	68	42.7	218	74	31.8	195	77	25.5
1	1/2	258	68	41.6	225	73	31.5	201	77	25.2
1	1/3	261	67	41.3	227	73	31.1	203	76	24.8
1	1/6	263	67	40.6	229	73	30.8	205	76	24.5
1/0	Full1	280	70	42.8	242	75	32.0	215	78	25.6
1/0	1/2	289	69	41.8	249	74	31.4	223	77	24.9
1/0	1/3	293	69	41.1	255	74	31.0	228	77	24.9
1/0	1/6	298	68	40.5	258	74	30.3	230	77	24.3
2/0	Full1	310	71	43.1	266	76	31.8	237	79	25.3
2/0	1/2	321	70	42.1	276	76	31.1	247	79	24.9
2/0	1/3	327	70	41.1	282	75	30.8	252	78	24.3
2/0	1/6	336	70	40.5	290	75	30.1	258	78	24.0
3/0	Full1	342	73	43.2	292	77	31.7	260	80	24.8
3/0	1/2	354	72	42.2	303	77	31.1	269	80	24.5
3/0	1/3	363	71	41.3	312	76	30.4	277	79	24.2
3/0	1/6	376	71	40.1	324	76	29.8	288	79	23.6
4/0	Full1	376	74	42.7	321	78	31.1	284	81	24.6
4/0	1/2	386	74	42.4	330	78	30.8	292	81	24.3
4/0	1/3	399	73	41.5	341	78	30.2	302	80	24.0
4/0	1/6	418	72	40.0	359	77	29.4	319	80	23.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Temp Flux			Temp Flux			Temp Flux		
		Temp Flux			Temp Flux			Temp Flux		
100% LF										
250	1/3	422	74	41.7	361	78	30.4	318	81	23.8
250	1/6	448	73	40.0	383	78	29.3	340	80	23.2
250	1/12	466	72	38.8	399	77	28.7	354	80	22.6
250	1/18	475	72	38.8	405	77	28.1	361	80	22.3
350	1/3	471	76	41.4	398	80	29.4	352	82	23.1
350	1/6	507	75	39.2	432	79	28.6	381	82	22.3
350	1/12	540	74	37.6	460	78	27.3	408	81	21.5
350	1/18	554	73	36.8	473	78	27.0	419	81	21.2
500	1/3	519	78	40.7	437	82	28.7	384	84	22.4
500	1/6	565	77	39.7	474	81	28.0	417	83	21.7
500	1/12	617	76	37.2	521	80	26.8	460	82	20.9
500	1/18	642	76	36.3	545	80	26.0	481	82	20.4
750	1/3	574	79	36.5	482	82	25.8	424	84	19.9
750	1/6	601	78	36.3	506	82	25.8	445	84	20.1
750	1/12	676	77	34.6	570	81	24.7	502	83	19.2
750	1/18	723	77	33.6	610	81	24.1	538	83	18.8
750	Open	866	74	29.8	737	79	21.5	652	81	16.9
1000	1/6	631	80	34.8	529	83	24.5	464	85	18.9
1000	1/12	709	79	33.7	594	82	23.7	522	84	18.4
1000	1/24	809	78	31.9	681	82	22.6	600	84	17.6
1000	1/36	859	78	30.8	725	81	22.0	639	83	17.0
1000	Open	1002	76	27.9	850	80	20.1	750	82	15.7
1250	1/6	664	80	31.5	556	83	22.1	487	85	16.9
1250	1/12	734	80	30.7	616	83	21.6	541	84	16.8
1250	1/24	847	78	29.0	713	82	20.4	628	84	15.9
1250	1/36	910	78	28.0	768	81	19.9	676	83	15.4
1250	Open	1100	75	24.5	935	79	17.8	827	82	13.9
1500	Open	1194	76	23.7	1012	80	17.2	894	82	13.4
1750	Open	1273	76	23.1	1078	80	16.6	950	82	12.9
2000	Open	1344	77	22.7	1135	81	16.2	1000	83	12.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
75% LF										
2	Full	234	56	44.7	207	61	35.2	188	64	29.0
2	1/2	238	55	43.6	211	60	34.5	192	64	28.7
2	1/3	239	55	43.2	213	60	34.1	193	64	28.3
2	1/6	241	55	42.8	214	60	33.8	195	64	28.0
1	Full	262	57	45.5	231	62	35.3	209	65	29.0
1	1/2	269	56	44.4	237	62	34.6	215	65	28.3
1	1/3	272	56	43.7	240	61	34.3	218	65	28.3
1	1/6	274	56	43.0	243	61	33.6	220	64	27.6
1/0	Full	293	58	46.5	257	63	35.7	232	66	29.0
1/0	1/2	301	58	44.8	265	63	34.7	240	66	28.3
1/0	1/3	306	57	44.2	270	62	34.4	244	66	28.0
1/0	1/6	311	57	43.2	275	62	33.7	249	65	27.6
2/0	Full	325	60	47.0	284	65	36.0	255	68	29.2
2/0	1/2	336	59	45.7	294	64	35.0	265	67	28.5
2/0	1/3	343	59	44.7	301	64	34.3	271	67	27.9
2/0	1/6	352	58	43.4	309	63	33.7	279	66	27.5
3/0	Full	360	61	47.5	313	66	36.0	280	69	28.9
3/0	1/2	371	61	46.3	323	65	35.1	290	68	28.6
3/0	1/3	381	60	45.3	333	65	34.5	299	68	27.9
3/0	1/6	395	59	43.5	346	64	33.5	312	67	27.0
4/0	Full	398	63	47.4	344	67	35.6	308	70	28.5
4/0	1/2	406	62	47.2	352	67	35.3	315	69	28.5
4/0	1/3	419	62	46.0	364	66	34.7	326	69	27.9
4/0	1/6	441	61	43.9	384	65	33.5	345	68	27.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	444	63	46.7	384	67	34.8	344	70	28.1
250	1/6	472	61	44.3	410	66	33.6	367	69	27.0
250	1/12	492	61	42.6	429	65	32.5	385	68	26.1
250	1/18	500	60	42.0	436	65	32.2	392	68	25.8
350	1/3	496	65	46.4	427	69	34.5	380	71	27.3
350	1/6	535	64	44.3	462	68	32.9	413	70	26.2
350	1/12	572	62	41.9	495	67	31.5	443	69	25.2
350	1/18	587	62	41.1	509	66	31.0	456	69	24.9
500	1/3	551	67	46.3	470	70	33.8	418	72	26.8
500	1/6	593	66	44.8	508	70	32.9	451	72	26.0
500	1/12	654	65	42.4	561	69	31.2	499	71	24.8
500	1/18	682	64	40.9	587	68	30.4	524	71	24.3
750	1/3	612	67	41.6	523	71	30.4	463	73	23.9
750	1/6	635	67	41.6	542	70	30.4	481	73	23.9
750	1/12	713	66	39.7	612	70	29.2	545	72	23.2
750	1/18	764	65	38.2	655	69	28.3	585	71	22.6
750	Open	929	63	33.4	804	67	24.9	719	70	20.1
1000	1/6	671	68	40.4	570	72	29.1	504	73	23.0
1000	1/12	749	68	39.0	637	71	28.3	564	73	22.2
1000	1/24	857	67	36.7	734	70	27.0	653	72	21.4
1000	1/36	915	66	35.6	785	70	26.2	701	72	20.8
1000	Open	1081	64	31.6	931	68	23.5	831	70	18.7
1250	1/6	710	69	36.9	602	72	26.5	532	74	20.8
1250	1/12	778	68	36.0	661	71	26.0	585	73	20.4
1250	1/24	898	67	33.7	768	70	24.6	681	73	19.4
1250	1/36	968	66	32.3	830	70	23.8	741	72	18.9
1250	Open	1186	63	27.6	1025	67	20.8	916	70	16.6
1500	Open	1289	64	27.1	1112	68	20.2	992	70	16.1
1750	Open	1378	64	26.5	1186	68	19.6	1057	71	15.7
2000	Open	1456	65	26.0	1251	69	19.3	1113	71	15.2

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²		
100% LF										
2	Full	209	60	35.9	182	65	27.2	163	68	21.8
2	1/2	213	60	35.2	186	65	26.9	167	68	21.8
2	1/3	215	60	34.9	187	65	26.5	168	68	21.4
2	1/6	216	60	34.5	189	65	26.1	169	68	21.1
1	Full	234	62	36.4	202	66	27.3	181	69	21.7
1	1/2	240	61	35.3	208	66	26.6	187	69	21.7
1	1/3	243	61	35.0	211	66	26.6	189	69	21.0
1	1/6	246	61	34.3	214	65	26.2	191	68	21.0
1/0	Full	260	63	36.4	224	67	27.3	200	70	21.6
1/0	1/2	268	62	35.4	232	67	26.6	207	70	21.2
1/0	1/3	272	62	35.1	236	67	26.3	210	69	20.9
1/0	1/6	278	62	34.4	241	66	26.0	215	69	20.6
2/0	Full	287	64	36.9	246	68	27.2	219	71	21.4
2/0	1/2	297	64	35.6	256	68	26.6	228	70	21.1
2/0	1/3	304	63	35.0	262	68	25.9	234	70	20.7
2/0	1/6	313	63	34.3	270	67	25.6	240	70	20.4
3/0	Full	316	65	36.6	270	69	27.0	240	72	21.1
3/0	1/2	327	65	36.0	280	69	26.4	248	71	20.8
3/0	1/3	336	64	35.4	288	69	26.1	256	71	20.5
3/0	1/6	349	64	34.2	300	68	25.2	267	71	19.9
4/0	Full	348	67	36.5	297	70	26.4	263	72	20.8
4/0	1/2	356	66	36.2	304	70	26.4	270	72	20.8
4/0	1/3	369	66	35.6	314	70	25.8	279	72	20.5
4/0	1/6	388	65	34.1	333	69	25.2	295	71	19.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	389	67	35.6	332	70	26.1	293	72	20.3
250	1/6	414	66	34.2	353	70	24.9	314	72	19.7
250	1/12	433	65	33.0	370	69	24.3	329	71	19.1
250	1/18	442	65	33.0	378	69	24.1	335	71	19.1
350	1/3	432	68	35.3	365	72	25.2	322	74	19.6
350	1/6	466	67	33.7	397	71	24.4	350	73	19.1
350	1/12	500	67	32.1	425	70	23.3	377	72	18.3
350	1/18	514	66	31.5	438	70	23.1	388	72	18.0
500	1/3	476	70	34.6	400	73	24.6	352	75	19.0
500	1/6	513	70	33.6	432	73	23.9	381	74	18.5
500	1/12	566	69	31.9	479	72	22.9	422	74	17.8
500	1/18	592	68	30.9	502	71	22.2	443	73	17.3
750	1/3	527	71	30.8	443	73	21.8	389	75	16.9
750	1/6	546	70	30.8	460	73	22.0	404	75	16.9
750	1/12	615	70	29.6	519	73	21.1	457	74	16.3
750	1/18	664	69	28.9	557	72	20.5	491	74	15.8
750	Open	808	67	25.1	687	70	18.4	608	73	14.4
1000	1/6	574	72	29.6	481	74	20.8	421	75	16.1
1000	1/12	642	71	28.7	538	74	20.3	472	75	15.7
1000	1/24	738	70	27.2	620	73	19.3	545	75	14.9
1000	1/36	790	70	26.6	664	73	18.7	584	74	14.5
1000	Open	934	68	23.5	792	71	17.0	699	73	13.4
1250	1/6	605	72	26.8	506	74	18.8	443	76	14.4
1250	1/12	664	71	26.1	557	74	18.4	488	75	14.2
1250	1/24	769	70	24.8	647	73	17.6	568	75	13.6
1250	1/36	831	70	23.8	701	73	17.1	617	74	13.2
1250	Open	1025	67	20.8	871	71	15.1	770	73	11.7
1500	Open	1112	68	20.2	942	71	14.5	831	73	11.3
1750	Open	1184	68	19.6	1002	72	14.0	883	74	11.0
2000	Open	1249	69	19.1	1054	72	13.7	929	74	10.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
2	Full	225	53	41.4	198	58	32.0	180	61	26.5
2	1/2	228	52	39.9	202	57	31.2	184	60	25.8
2	1/3	230	52	39.2	204	57	31.2	186	60	25.8
2	1/6	231	52	38.9	206	57	30.9	187	60	25.4
1	Full	251	54	41.6	222	59	32.2	200	62	26.6
1	1/2	258	54	40.2	228	58	31.5	206	61	25.9
1	1/3	261	53	39.9	230	58	31.1	209	61	25.5
1	1/6	263	53	39.2	233	58	30.8	212	61	25.2
1/0	Full	280	55	42.1	246	60	32.7	222	63	26.6
1/0	1/2	289	55	40.8	254	59	31.7	230	62	26.0
1/0	1/3	293	54	40.1	258	59	31.4	234	62	25.6
1/0	1/6	299	54	39.4	264	59	30.7	239	62	24.9
2/0	Full	311	57	42.8	272	61	32.7	244	64	26.6
2/0	1/2	321	56	41.5	281	61	32.1	253	63	25.9
2/0	1/3	328	56	40.8	288	60	31.4	260	63	25.6
2/0	1/6	337	55	39.5	297	60	30.5	268	62	24.9
3/0	Full	344	58	43.2	299	62	32.6	268	65	26.4
3/0	1/2	354	57	42.2	309	62	32.3	277	64	26.1
3/0	1/3	364	57	41.3	318	61	31.4	286	64	25.5
3/0	1/6	379	56	39.7	331	61	30.4	299	63	24.8
4/0	Full	381	59	43.3	329	63	32.3	295	66	25.8
4/0	1/2	388	59	43.0	336	63	32.3	301	65	25.8
4/0	1/3	400	58	41.8	347	62	31.7	311	65	25.5
4/0	1/6	422	57	40.0	367	62	30.5	330	64	24.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
75% LF										
250	1/3	424	59	42.6	366	63	31.9	328	66	25.5
250	1/6	451	58	40.6	392	62	30.7	351	65	24.6
250	1/12	471	57	38.8	411	62	29.6	369	64	23.8
250	1/18	479	57	38.3	418	61	29.3	375	64	23.5
350	1/3	473	61	42.4	406	65	31.3	362	67	24.9
350	1/6	510	60	40.3	440	64	30.2	393	66	24.1
350	1/12	546	59	38.4	473	63	28.6	423	65	23.1
350	1/18	562	59	37.4	488	63	28.1	437	65	22.5
500	1/3	525	63	42.4	447	66	30.7	397	68	24.3
500	1/6	563	62	40.9	482	66	29.9	430	68	23.9
500	1/12	622	61	38.7	534	65	28.5	475	67	22.6
500	1/18	651	61	37.5	560	64	27.8	500	67	22.2
750	1/3	583	63	37.8	498	67	27.7	441	68	21.8
750	1/6	602	63	38.0	514	66	27.9	455	68	21.8
750	1/12	677	62	36.3	580	66	26.6	516	68	21.1
750	1/18	726	62	35.1	623	65	25.8	555	67	20.5
750	Open	892	59	30.2	772	63	22.8	690	66	18.2
1000	1/6	636	65	36.7	540	67	26.6	478	69	20.8
1000	1/12	708	64	35.8	602	67	25.8	533	69	20.3
1000	1/24	814	63	33.7	696	66	24.7	619	68	19.5
1000	1/36	870	62	32.5	746	66	23.9	666	68	18.9
1000	Open	1037	60	28.7	894	64	21.4	798	66	17.0
1250	1/6	674	65	33.5	571	68	24.1	505	69	18.9
1250	1/12	735	64	32.8	625	67	23.8	552	69	18.6
1250	1/24	852	63	30.8	727	66	22.6	643	68	17.8
1250	1/36	918	62	29.5	787	66	21.8	702	68	17.3
1250	Open	1138	60	25.1	983	64	18.8	878	66	15.1
1500	Open	1236	60	24.7	1066	64	18.3	951	66	14.6
1750	Open	1321	61	24.0	1136	65	17.8	1012	67	14.2
2000	Open	1395	61	23.7	1198	65	17.5	1066	67	13.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	201	57	32.7	174	62	24.7	156	64	20.0
2	1/2	205	57	32.0	179	61	24.3	160	64	19.6
2	1/3	206	57	31.6	180	61	24.3	161	64	19.2
2	1/6	208	57	31.2	181	61	24.0	163	64	19.2
1	Full	224	58	33.2	194	63	24.8	174	65	19.9
1	1/2	230	58	32.2	200	62	24.1	179	65	19.6
1	1/3	233	58	31.8	203	62	24.1	181	65	19.2
1	1/6	236	58	31.5	205	62	23.8	183	64	18.9
1/0	Full	249	60	33.4	214	64	24.9	191	66	19.9
1/0	1/2	257	59	32.4	222	63	24.3	198	66	19.2
1/0	1/3	261	59	32.0	226	63	23.9	202	65	19.2
1/0	1/6	267	58	31.4	231	63	23.6	206	65	18.9
2/0	Full	275	61	33.7	235	65	24.6	210	67	19.8
2/0	1/2	284	60	32.7	244	64	24.3	218	66	19.1
2/0	1/3	291	60	32.1	251	64	23.7	223	66	18.8
2/0	1/6	301	59	31.4	259	63	23.3	231	66	18.5
3/0	Full	302	62	33.5	258	65	24.5	229	67	19.3
3/0	1/2	312	61	32.9	267	65	24.2	237	67	18.9
3/0	1/3	321	61	32.3	275	65	23.6	245	67	18.6
3/0	1/6	335	60	31.1	288	64	23.0	256	66	18.3
4/0	Full	333	63	33.2	284	66	24.0	251	68	19.0
4/0	1/2	340	63	32.9	290	66	24.0	257	68	19.0
4/0	1/3	352	62	32.6	300	66	23.7	266	68	18.7
4/0	1/6	371	61	31.1	318	65	22.8	282	67	18.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
					100% LF					
250	1/3	371	63	32.7	316	66	23.8	280	68	18.5
250	1/6	396	62	31.3	338	66	22.9	299	68	18.0
250	1/12	414	61	30.1	355	65	22.0	315	67	17.4
250	1/18	422	61	29.9	363	65	22.0	321	67	17.4
350	1/3	411	65	32.1	347	68	23.1	306	69	18.0
350	1/6	444	64	30.7	378	67	22.3	333	69	17.2
350	1/12	477	63	29.2	406	66	21.2	360	68	16.7
350	1/18	492	62	28.6	420	66	20.9	371	68	16.4
500	1/3	453	66	31.4	381	69	22.4	335	70	17.3
500	1/6	487	66	30.7	410	68	21.9	361	70	17.0
500	1/12	540	65	29.2	456	68	20.9	402	69	16.3
500	1/18	565	64	28.2	479	67	20.2	423	69	15.8
750	1/3	502	66	28.1	422	69	19.9	370	70	15.4
750	1/6	518	66	28.3	436	69	20.1	383	70	15.4
750	1/12	583	66	27.0	492	68	19.2	433	70	15.0
750	1/18	631	65	26.4	529	68	18.8	466	70	14.6
750	Open	776	63	23.0	660	66	16.7	583	68	13.1
1000	1/6	544	67	27.0	455	70	18.9	399	71	14.5
1000	1/12	607	67	26.2	508	69	18.6	446	71	14.3
1000	1/24	700	66	24.9	588	69	17.6	516	70	13.6
1000	1/36	749	66	24.1	631	68	17.0	555	70	13.2
1000	Open	897	64	21.4	760	67	15.5	671	69	12.1
1250	1/6	574	68	24.5	480	70	17.1	420	71	13.1
1250	1/12	627	67	24.0	526	70	16.9	461	71	13.1
1250	1/24	728	66	22.6	612	69	16.1	537	70	12.4
1250	1/36	788	66	21.8	665	68	15.6	585	70	12.1
1250	Open	983	64	18.8	835	67	13.6	738	69	10.7
1500	Open	1066	64	18.3	903	67	13.2	797	69	10.3
1750	Open	1135	65	17.8	960	68	12.8	846	69	10.0
2000	Open	1196	65	17.4	1010	68	12.4	890	69	9.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

		---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	75% LF								
2	Full	203	47	32.7	179	51	25.8	163	54	21.1
2	1/2	207	47	32.0	183	51	25.1	167	53	20.7
2	1/3	208	47	31.6	185	51	25.1	168	53	20.7
2	1/6	210	47	31.2	187	51	24.7	170	53	20.3
1	Full	227	49	33.6	200	52	25.9	181	55	21.3
1	1/2	233	48	32.5	206	52	25.2	186	54	21.0
1	1/3	236	48	31.8	209	52	24.8	189	54	20.6
1	1/6	239	48	31.5	212	51	24.5	192	54	20.3
1/0	Full	253	50	34.1	221	53	26.3	200	55	21.2
1/0	1/2	261	49	33.0	229	53	25.6	207	55	20.9
1/0	1/3	265	49	32.4	233	52	24.9	211	55	20.6
1/0	1/6	271	48	31.7	239	52	24.6	216	54	20.2
2/0	Full	280	51	34.7	245	54	26.6	220	56	21.4
2/0	1/2	289	50	33.7	253	54	25.6	228	56	20.7
2/0	1/3	296	50	32.7	260	53	25.3	234	55	20.4
2/0	1/6	305	49	31.8	268	53	24.6	242	55	20.1
3/0	Full	310	52	34.8	269	55	26.4	241	57	21.1
3/0	1/2	318	51	34.2	277	55	25.8	249	57	20.8
3/0	1/3	328	51	33.2	286	54	25.5	257	56	20.5
3/0	1/6	342	50	32.0	299	54	24.5	269	56	19.9
4/0	Full	343	53	34.7	297	56	26.1	265	58	20.8
4/0	1/2	348	52	34.7	301	55	26.1	269	57	20.8
4/0	1/3	359	52	33.8	311	55	25.5	279	57	20.5
4/0	1/6	380	51	32.3	330	55	24.6	297	57	19.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	379	53	34.5	328	56	25.8	293	58	20.6
250	1/6	405	52	32.7	351	55	24.6	315	57	19.7
250	1/12	425	51	31.3	370	54	23.8	332	57	19.1
250	1/18	433	51	30.7	378	54	23.5	339	56	18.8
350	1/3	421	54	34.2	362	57	25.2	322	59	20.1
350	1/6	455	53	32.6	392	56	24.4	350	58	19.4
350	1/12	491	52	31.0	424	56	23.1	379	57	18.6
350	1/18	506	52	30.2	439	55	22.8	393	57	18.3
500	1/3	467	56	34.1	399	58	24.8	354	60	19.5
500	1/6	500	55	33.1	427	58	24.3	380	59	19.2
500	1/12	554	54	31.2	476	57	23.1	424	59	18.3
500	1/18	583	54	30.2	501	57	22.4	447	58	17.8
750	1/3	522	56	30.4	445	58	22.2	394	60	17.3
750	1/6	531	56	30.6	453	58	22.4	403	60	17.7
750	1/12	597	55	29.4	511	58	21.5	455	59	17.1
750	1/18	643	55	28.3	552	57	20.9	491	59	16.5
750	Open	810	52	24.3	700	56	18.2	626	57	14.6
1000	1/6	562	57	29.6	477	59	21.2	422	60	16.6
1000	1/12	622	56	28.9	528	59	20.8	467	60	16.3
1000	1/24	719	56	27.2	613	58	19.9	545	60	15.7
1000	1/36	773	55	26.2	661	58	19.1	589	59	15.3
1000	Open	940	53	23.0	810	56	17.0	722	58	13.6
1250	1/6	597	57	27.0	506	59	19.4	447	61	15.1
1250	1/12	645	57	26.5	548	59	19.1	484	60	14.9
1250	1/24	750	56	25.0	638	58	18.1	565	60	14.2
1250	1/36	813	55	24.0	696	58	17.6	616	59	13.9
1250	Open	1030	53	20.1	890	56	15.1	795	58	12.1
1500	Open	1119	53	19.7	964	56	14.6	860	58	11.6
1750	Open	1195	54	19.3	1028	57	14.3	915	58	11.4
2000	Open	1260	54	18.9	1082	57	14.0	962	59	11.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
2	Full1	181	51	26.5	158	54	20.0	141	56	16.0
2	1/2	186	51	25.8	162	54	19.6	145	56	16.0
2	1/3	187	51	25.4	163	54	19.2	146	56	15.6
2	1/6	189	50	25.1	165	54	19.2	147	56	15.2
1	Full1	202	52	26.6	175	55	19.9	156	57	16.1
1	1/2	208	51	25.9	180	55	19.6	161	57	15.7
1	1/3	211	51	25.5	184	55	19.2	164	57	15.4
1	1/6	214	51	25.2	186	54	18.9	166	57	15.0
1/0	Full1	224	53	27.0	193	56	19.9	172	58	15.8
1/0	1/2	232	52	26.0	200	56	19.6	179	58	15.5
1/0	1/3	236	52	25.6	204	55	19.2	182	57	15.2
1/0	1/6	241	52	24.9	209	55	18.9	186	57	15.2
2/0	Full1	247	54	26.9	212	57	19.8	189	58	15.9
2/0	1/2	256	53	26.2	220	56	19.4	196	58	15.6
2/0	1/3	262	53	25.9	226	56	19.1	201	58	15.2
2/0	1/6	271	53	24.9	234	56	18.8	208	58	14.9
3/0	Full1	272	55	27.0	232	57	19.6	206	59	15.5
3/0	1/2	280	54	26.4	240	57	19.6	213	59	15.5
3/0	1/3	289	54	26.1	247	57	18.9	220	59	15.2
3/0	1/6	302	53	24.8	259	56	18.3	231	58	14.6
4/0	Full1	300	55	26.7	256	58	19.3	226	60	15.1
4/0	1/2	304	55	26.7	260	58	19.3	230	60	15.1
4/0	1/3	315	55	26.1	269	58	19.0	238	59	15.1
4/0	1/6	334	54	24.9	286	57	18.4	253	59	14.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
 Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	100% LF								
250	1/3	331	56	26.4	282	58	19.1	250	60	15.1
250	1/6	355	55	25.2	303	58	18.3	268	59	14.5
250	1/12	374	54	24.3	320	57	17.7	284	59	13.9
250	1/18	381	54	23.8	326	57	17.7	290	59	13.9
350	1/3	366	57	26.0	309	59	18.6	273	60	14.3
350	1/6	396	56	24.9	337	59	18.0	298	60	14.0
350	1/12	428	55	23.6	364	58	17.2	322	60	13.5
350	1/18	443	55	23.1	377	58	16.7	334	59	13.3
500	1/3	403	58	25.3	339	60	18.0	298	61	13.9
500	1/6	432	58	24.8	363	60	17.5	320	61	13.6
500	1/12	481	57	23.6	407	59	17.0	359	61	13.1
500	1/18	505	56	22.9	429	59	16.6	378	60	12.7
750	1/3	449	58	22.4	377	60	15.8	331	61	12.3
750	1/6	458	58	22.8	384	60	16.1	338	61	12.5
750	1/12	515	58	21.8	433	60	15.6	381	61	12.0
750	1/18	556	57	21.1	469	59	15.0	413	61	11.8
750	Open	703	55	18.4	598	58	13.3	529	60	10.4
1000	1/6	481	59	21.6	402	61	15.1	352	62	11.7
1000	1/12	532	59	21.2	446	61	14.9	392	62	11.5
1000	1/24	617	58	20.1	518	60	14.2	455	61	10.9
1000	1/36	664	58	19.3	559	60	13.8	493	61	10.7
1000	Open	813	56	17.2	689	59	12.4	608	60	9.8
1250	1/6	509	59	19.6	425	61	13.7	372	62	10.6
1250	1/12	550	59	19.3	461	61	13.6	404	62	10.4
1250	1/24	641	58	18.4	538	60	12.9	472	61	10.1
1250	1/36	696	58	17.6	586	60	12.6	516	61	9.7
1250	Open	891	56	15.1	756	58	10.9	668	60	8.5
1500	Open	964	56	14.6	817	59	10.5	721	60	8.3
1750	Open	1027	57	14.3	868	59	10.2	765	60	7.9
2000	Open	1080	57	13.9	912	59	9.9	803	61	7.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
2	Full	163	39	20.7	144	42	16.3	130	43	13.4
2	1/2	166	39	20.0	148	41	16.0	134	43	13.1
2	1/3	168	39	20.0	149	41	15.6	136	43	13.1
2	1/6	170	39	19.6	151	41	15.2	137	43	12.7
1	Full	182	40	21.0	160	42	16.4	145	44	13.3
1	1/2	187	40	20.6	165	42	16.1	149	43	12.9
1	1/3	190	39	19.9	168	42	15.7	152	43	12.9
1	1/6	193	39	19.6	171	42	15.4	155	43	12.6
1/0	Full	202	41	21.6	177	43	16.5	159	44	13.5
1/0	1/2	208	40	20.9	183	42	16.2	165	44	13.1
1/0	1/3	213	40	20.6	187	42	15.8	169	44	12.8
1/0	1/6	219	40	19.9	192	42	15.5	174	43	12.5
2/0	Full	224	41	21.7	195	43	16.5	175	45	13.3
2/0	1/2	231	41	21.4	201	43	16.2	181	44	13.3
2/0	1/3	237	41	20.7	207	43	15.9	186	44	13.0
2/0	1/6	245	40	20.1	215	42	15.6	194	44	12.6
3/0	Full	248	42	22.0	215	44	16.5	192	45	13.4
3/0	1/2	253	42	21.7	219	44	16.5	197	45	13.0
3/0	1/3	261	41	21.1	227	43	16.1	204	45	13.0
3/0	1/6	274	41	20.2	239	43	15.5	215	44	12.4
4/0	Full	275	42	21.6	237	44	16.3	212	45	13.0
4/0	1/2	275	42	21.9	238	44	16.3	212	45	13.0
4/0	1/3	284	42	21.6	246	44	16.3	220	45	13.0
4/0	1/6	302	42	20.5	263	44	15.4	236	45	12.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
Size Size

75% LF

250	1/3	299	42	21.7	258	44	16.2	230	46	13.0
250	1/6	321	42	20.9	278	44	15.6	249	45	12.5
250	1/12	340	41	19.7	295	44	15.1	265	45	12.2
250	1/18	348	41	19.4	303	43	14.8	272	45	11.9
350	1/3	331	43	21.7	284	45	15.9	252	46	12.7
350	1/6	357	43	20.7	307	45	15.4	274	46	12.2
350	1/12	389	42	19.6	336	44	14.6	300	45	11.7
350	1/18	404	42	19.1	349	44	14.3	312	45	11.4
500	1/3	368	44	21.4	313	46	15.6	277	47	12.2
500	1/6	389	44	21.2	332	46	15.3	295	47	12.2
500	1/12	434	44	20.0	372	45	14.6	330	46	11.7
500	1/18	460	43	19.2	395	45	14.1	351	46	11.2
750	1/3	413	44	19.0	351	46	13.7	311	47	10.8
750	1/6	412	44	19.4	351	46	14.2	310	47	11.0
750	1/12	461	44	18.6	393	46	13.7	349	47	10.8
750	1/18	500	44	18.0	428	45	13.3	379	46	10.4
750	Open	654	42	15.2	565	44	11.4	505	45	9.1
1000	1/6	437	45	18.6	370	46	13.4	326	47	10.3
1000	1/12	477	45	18.2	404	46	13.2	357	47	10.3
1000	1/24	554	44	17.2	472	46	12.6	418	47	9.9
1000	1/36	602	44	16.6	513	46	12.2	454	47	9.6
1000	Open	758	43	14.3	652	45	10.7	581	46	8.4
1250	1/6	466	45	16.9	394	47	12.1	347	47	9.4
1250	1/12	494	45	16.8	419	46	12.1	372	47	9.5
1250	1/24	575	45	15.9	489	46	11.6	432	47	9.0
1250	1/36	629	44	15.2	536	46	11.1	476	47	8.7
1250	Open	829	42	12.6	715	44	9.4	638	45	7.5
1500	Open	899	43	12.3	774	45	9.1	689	46	7.3
1750	Open	959	43	12.0	824	45	9.0	733	46	7.2
2000	Open	1010	43	11.8	866	45	8.8	769	46	6.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
Size Size

100% LF

2	Full	146	41	16.7	126	43	12.7	113	45	10.2
2	1/2	149	41	16.3	130	43	12.3	117	45	9.8
2	1/3	151	41	16.0	132	43	12.3	118	45	9.8
2	1/6	152	41	15.6	133	43	12.0	119	44	9.8
1	Full	162	42	16.8	140	44	12.6	125	45	10.1
1	1/2	167	42	16.4	145	44	12.2	129	45	9.8
1	1/3	170	42	16.1	147	44	12.2	132	45	9.8
1	1/6	173	41	15.7	150	44	11.9	134	45	9.4
1/0	Full	179	43	16.9	154	44	12.5	137	46	10.1
1/0	1/2	185	42	16.5	160	44	12.1	142	45	9.8
1/0	1/3	189	42	16.2	163	44	12.1	146	45	9.8
1/0	1/6	194	42	15.8	168	44	11.8	150	45	9.4
2/0	Full	197	43	17.2	169	45	12.6	150	46	10.0
2/0	1/2	204	43	16.5	175	45	12.3	156	46	9.7
2/0	1/3	210	43	16.2	180	45	12.0	160	46	9.7
2/0	1/6	218	42	15.9	187	44	11.7	167	45	9.4
3/0	Full	217	44	17.1	185	45	12.4	164	46	9.6
3/0	1/2	222	43	16.8	190	45	12.4	168	46	9.6
3/0	1/3	229	43	16.5	196	45	12.1	174	46	9.6
3/0	1/6	242	43	15.8	207	45	11.8	185	46	9.3
4/0	Full	240	44	16.6	204	46	12.2	181	47	9.5
4/0	1/2	241	44	16.9	205	46	12.2	181	47	9.5
4/0	1/3	249	44	16.6	212	46	12.2	188	47	9.5
4/0	1/6	266	43	15.7	227	45	11.6	201	46	9.2

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
Size Size

100% LF

250	1/3	261	44	16.8	222	46	12.2	196	47	9.6
250	1/6	281	44	15.9	240	46	11.6	212	47	9.3
250	1/12	299	43	15.4	255	45	11.3	226	46	8.7
250	1/18	306	43	15.1	262	45	11.0	232	46	8.7
350	1/3	287	45	16.4	243	47	11.7	214	47	9.0
350	1/6	311	45	15.9	263	46	11.4	232	47	8.7
350	1/12	339	44	14.8	288	46	10.9	255	47	8.5
350	1/18	353	44	14.6	300	46	10.6	266	47	8.5
500	1/3	317	46	15.8	266	47	11.2	233	48	8.8
500	1/6	336	46	15.8	282	47	11.2	248	48	8.5
500	1/12	377	45	15.1	317	47	10.7	279	47	8.3
500	1/18	399	45	14.6	337	46	10.5	297	47	8.0
750	1/3	355	46	13.9	297	47	9.9	261	48	7.6
750	1/6	354	46	14.4	297	47	10.1	260	48	7.8
750	1/12	399	46	13.9	334	47	9.9	293	48	7.6
750	1/18	433	45	13.5	363	47	9.5	319	47	7.4
750	Open	568	44	11.4	483	46	8.2	426	47	6.5
1000	1/6	373	46	13.6	312	47	9.6	273	48	7.3
1000	1/12	408	46	13.4	341	47	9.4	298	48	7.3
1000	1/24	476	46	12.8	399	47	9.0	350	48	6.9
1000	1/36	520	46	12.4	434	47	8.8	381	48	6.7
1000	Open	655	45	10.7	555	46	7.8	489	47	6.1
1250	1/6	396	47	12.2	331	48	8.5	290	48	6.5
1250	1/12	421	46	12.2	352	47	8.5	308	48	6.5
1250	1/24	491	46	11.6	411	47	8.2	361	48	6.4
1250	1/36	538	46	11.2	452	47	7.9	396	48	6.2
1250	Open	717	44	9.4	608	46	6.9	537	47	5.4
1500	Open	775	45	9.2	656	46	6.5	578	47	5.1
1750	Open	824	45	9.0	696	46	6.4	613	47	5.0
2000	Open	866	45	8.8	730	46	6.3	642	47	4.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

		---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size									
		75% LF								
2	Full	168	40	19.1	160	45	17.4	153	49	15.9
2	1/2	168	40	19.0	160	45	17.4	154	49	15.9
2	1/3	168	40	19.0	160	45	17.4	154	49	15.9
2	1/6	168	40	19.0	161	45	17.2	154	49	15.9
1	Full	194	40	15.9	185	44	14.5	178	48	13.3
1	1/2	195	40	15.9	186	44	14.5	179	48	13.3
1	1/3	195	40	15.9	187	44	14.4	179	48	13.3
1	1/6	196	40	15.9	187	44	14.4	179	48	13.3
1/0	Full	220	40	16.5	210	45	14.9	201	49	13.8
1/0	1/2	222	40	16.4	211	45	14.9	203	49	13.7
1/0	1/3	222	40	16.4	212	45	14.9	203	49	13.7
1/0	1/6	223	40	16.4	212	45	14.9	204	49	13.7
2/0	Full	250	41	17.0	238	46	15.4	227	50	14.1
2/0	1/2	252	41	17.0	240	46	15.4	230	50	14.1
2/0	1/3	253	41	16.9	241	46	15.4	230	50	14.1
2/0	1/6	254	41	16.9	242	46	15.3	231	50	14.0
3/0	Full	282	41	17.7	268	46	15.9	256	50	14.5
3/0	1/2	286	41	17.6	272	46	15.9	260	50	14.5
3/0	1/3	287	41	17.5	273	46	15.8	261	50	14.4
3/0	1/6	289	41	17.5	275	46	15.8	262	50	14.4
4/0	Full	317	42	18.3	300	47	16.5	286	51	14.9
4/0	1/2	323	42	18.2	306	47	16.4	292	51	14.9
4/0	1/3	326	42	18.2	309	47	16.3	295	51	14.9
4/0	1/6	329	42	18.1	312	47	16.3	297	51	14.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

----- 60 Rho----- ----- 90 Rho----- -----120 Rho-----
Interface Interface Interface
Temp Flux Temp Flux Temp Flux
Amps °C w/ft² Amps °C w/ft² Amps °C w/ft²

Condr Neut.
Size Size

75% LF

250	1/3	354	42	18.5	336	47	16.6	320	51	15.1
250	1/6	359	42	18.4	340	47	16.6	324	51	15.0
250	1/12	361	42	18.4	342	47	16.6	326	51	15.0
250	1/18	362	42	18.4	343	47	16.6	327	51	15.0
350	1/3	421	43	19.6	398	49	17.5	378	53	15.9
350	1/6	430	43	19.5	406	48	17.4	386	53	15.8
350	1/12	435	43	19.4	411	48	17.4	391	53	15.7
350	1/18	436	43	19.4	412	48	17.4	392	53	15.7
500	1/3	504	43	17.6	476	49	15.7	452	53	14.2
500	1/6	523	43	17.4	494	49	15.6	470	53	14.1
500	1/12	534	43	17.4	505	48	15.5	480	53	14.0
500	1/18	538	43	17.3	509	48	15.5	484	53	14.0
750	1/3	582	45	19.2	547	51	16.9	517	55	15.2
750	1/6	620	45	18.9	583	50	16.7	552	55	15.0
750	1/12	647	45	18.7	609	50	16.6	577	54	14.9
750	1/18	658	44	18.7	619	50	16.5	586	54	14.9
1000	1/6	701	45	17.8	658	51	15.7	622	55	14.1
1000	1/12	746	45	17.6	701	51	15.6	664	55	14.0
1000	1/24	775	45	17.5	729	51	15.5	690	55	13.9
1000	1/36	786	45	17.4	739	51	15.4	700	55	13.8
1250	1/6	750	47	19.0	701	52	16.5	661	57	14.8
1250	1/12	811	46	18.6	759	52	16.3	717	56	14.6
1250	1/24	853	46	18.4	799	52	16.1	755	56	14.4
1250	1/36	869	46	18.3	814	52	16.1	769	56	14.4
1500	1/6	775	47	19.7	723	53	17.1	681	58	15.2
1500	1/12	849	47	19.4	793	53	16.9	747	57	15.0
1500	1/24	905	47	19.1	845	53	16.7	797	57	14.8
1500	1/36	927	47	19.0	866	52	16.6	817	57	14.8
1750	1/6	823	47	16.8	769	52	14.7	726	57	13.2
1750	1/12	908	46	16.5	851	52	14.5	804	56	13.0
1750	1/24	979	46	16.3	918	52	14.3	868	56	12.8
1750	1/36	1008	46	16.1	946	52	14.2	894	56	12.7
2000	1/6	836	47	17.3	781	53	15.1	736	58	13.4
2000	1/12	929	47	17.0	868	53	14.9	819	57	13.2
2000	1/24	1012	47	16.7	947	52	14.7	894	57	13.1
2000	1/36	1048	46	16.6	981	52	14.6	926	57	13.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
100% LF										
2	Full	161	44	17.6	151	50	15.5	143	55	13.8
2	1/2	162	44	17.6	151	50	15.5	143	55	13.8
2	1/3	162	44	17.6	152	50	15.5	143	55	13.8
2	1/6	162	44	17.6	152	50	15.5	143	55	13.8
1	Full	186	44	14.6	175	50	12.9	165	55	11.5
1	1/2	187	44	14.6	176	50	12.9	166	55	11.5
1	1/3	187	44	14.6	176	50	12.8	166	55	11.5
1	1/6	188	44	14.6	176	50	12.8	166	55	11.5
1/0	Full	211	45	15.1	198	51	13.2	186	55	11.7
1/0	1/2	212	45	15.0	199	51	13.2	187	55	11.7
1/0	1/3	213	45	15.0	199	51	13.2	188	55	11.7
1/0	1/6	213	44	15.0	200	51	13.2	188	55	11.7
2/0	Full	239	45	15.5	223	51	13.6	210	56	12.1
2/0	1/2	241	45	15.5	225	51	13.5	212	56	12.0
2/0	1/3	242	45	15.4	226	51	13.5	213	56	12.0
2/0	1/6	243	45	15.4	227	51	13.5	213	56	12.0
3/0	Full	269	46	16.0	250	52	13.9	235	57	12.3
3/0	1/2	273	46	16.0	254	52	13.9	239	57	12.3
3/0	1/3	274	46	16.0	256	52	13.9	240	57	12.3
3/0	1/6	276	46	16.0	257	52	13.8	242	57	12.2
4/0	Full	302	47	16.6	280	53	14.3	263	58	12.6
4/0	1/2	308	46	16.6	286	53	14.3	269	58	12.6
4/0	1/3	311	46	16.5	289	53	14.3	271	57	12.6
4/0	1/6	313	46	16.5	291	53	14.3	273	57	12.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

----- 60 Rho----- ----- 90 Rho----- -----120 Rho-----
Interface Interface Interface
Temp Flux Temp Flux Temp Flux
Amps °C w/ft² Amps °C w/ft² Amps °C w/ft²

Condr Neut.
Size Size

100% LF

250	1/3	338	47	16.8	313	53	14.5	294	58	12.7
250	1/6	342	47	16.7	317	53	14.4	297	58	12.7
250	1/12	344	47	16.7	319	53	14.4	299	58	12.7
250	1/18	344	47	16.7	320	53	14.4	300	58	12.6
350	1/3	400	48	17.7	370	54	15.2	345	59	13.2
350	1/6	408	48	17.7	378	54	15.1	353	59	13.2
350	1/12	413	48	17.6	382	54	15.0	357	59	13.2
350	1/18	415	48	17.6	384	54	15.0	359	59	13.2
500	1/3	476	49	15.7	439	55	13.4	410	60	11.7
500	1/6	495	49	15.6	457	55	13.3	426	60	11.6
500	1/12	505	48	15.5	467	55	13.3	436	60	11.6
500	1/18	509	48	15.5	470	55	13.3	439	60	11.5
750	1/3	547	50	16.9	502	57	14.3	465	62	12.3
750	1/6	583	50	16.8	536	57	14.1	497	62	12.2
750	1/12	609	50	16.6	560	57	14.1	520	61	12.2
750	1/18	619	50	16.5	569	57	14.0	528	61	12.1
1000	1/6	654	51	15.6	599	58	13.0	554	63	11.2
1000	1/12	698	51	15.4	639	58	12.9	591	63	11.1
1000	1/24	725	51	15.3	664	58	12.9	615	62	11.1
1000	1/36	735	51	15.3	674	58	12.9	624	62	11.1
1250	1/6	698	53	16.4	635	60	13.6	586	64	11.6
1250	1/12	755	52	16.1	688	59	13.4	636	64	11.5
1250	1/24	795	52	16.0	725	59	13.3	670	64	11.4
1250	1/36	810	52	15.9	739	59	13.3	683	63	11.4
1500	1/6	719	54	17.0	652	60	14.0	601	65	11.9
1500	1/12	789	53	16.7	717	60	13.8	661	65	11.8
1500	1/24	841	53	16.5	765	60	13.7	706	64	11.6
1500	1/36	862	53	16.4	785	60	13.6	724	64	11.6
1750	1/6	757	54	14.3	687	61	11.8	633	65	10.0
1750	1/12	837	53	14.0	761	60	11.6	701	65	9.9
1750	1/24	904	53	13.9	822	60	11.5	759	64	9.8
1750	1/36	931	53	13.8	848	60	11.5	782	64	9.8
2000	1/6	768	54	14.6	696	61	12.0	639	66	10.2
2000	1/12	854	54	14.4	775	61	11.9	713	65	10.1
2000	1/24	932	54	14.2	846	60	11.7	779	65	10.0
2000	1/36	966	53	14.1	877	60	11.7	808	65	9.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²		
75% LF										
2	Full	155	38	15.8	148	42	14.4	142	45	13.2
2	1/2	156	38	15.8	148	42	14.4	142	45	13.2
2	1/3	156	38	15.8	149	42	14.4	142	45	13.2
2	1/6	156	38	15.8	149	42	14.4	142	45	13.2
1	Full	180	37	13.2	172	41	12.1	165	45	11.1
1	1/2	181	37	13.2	172	41	12.1	166	45	11.1
1	1/3	181	37	13.2	173	41	12.1	166	44	11.1
1	1/6	181	37	13.2	173	41	12.1	166	44	11.1
1/0	Full	204	38	13.7	194	42	12.4	186	45	11.5
1/0	1/2	205	38	13.7	196	42	12.4	188	45	11.4
1/0	1/3	206	38	13.6	196	42	12.4	188	45	11.4
1/0	1/6	206	38	13.6	197	42	12.4	189	45	11.4
2/0	Full	231	38	14.1	220	42	12.8	210	46	11.7
2/0	1/2	233	38	14.1	222	42	12.8	212	46	11.7
2/0	1/3	234	38	14.0	223	42	12.7	213	46	11.7
2/0	1/6	235	38	14.0	224	42	12.7	214	46	11.7
3/0	Full	260	39	14.6	247	43	13.2	236	46	12.1
3/0	1/2	264	38	14.6	251	43	13.2	240	46	12.1
3/0	1/3	266	38	14.5	253	43	13.2	241	46	12.1
3/0	1/6	267	38	14.5	254	43	13.2	243	46	12.0
4/0	Full	292	39	15.2	277	43	13.7	264	47	12.5
4/0	1/2	298	39	15.1	283	43	13.7	270	47	12.4
4/0	1/3	301	39	15.0	286	43	13.6	273	47	12.4
4/0	1/6	304	39	15.0	289	43	13.6	275	47	12.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	327	39	15.4	310	44	13.8	296	47	12.6
250	1/6	331	39	15.3	314	44	13.8	300	47	12.6
250	1/12	334	39	15.3	317	44	13.8	302	47	12.5
250	1/18	334	39	15.3	317	44	13.8	302	47	12.5
350	1/3	388	40	16.3	367	45	14.6	349	48	13.2
350	1/6	397	40	16.2	375	45	14.5	357	48	13.2
350	1/12	402	40	16.1	380	44	14.4	361	48	13.1
350	1/18	403	40	16.1	381	44	14.4	363	48	13.1
500	1/3	464	40	14.6	438	45	13.1	417	48	11.8
500	1/6	482	40	14.5	456	45	13.0	434	48	11.7
500	1/12	493	40	14.4	467	45	12.9	444	48	11.7
500	1/18	497	40	14.4	470	45	12.9	447	48	11.7
750	1/3	533	42	15.9	501	46	14.1	475	50	12.6
750	1/6	570	41	15.7	536	46	13.9	508	50	12.5
750	1/12	596	41	15.6	561	46	13.8	532	50	12.4
750	1/18	606	41	15.5	571	46	13.7	541	50	12.4
1000	1/6	642	42	14.8	603	47	13.1	570	50	11.8
1000	1/12	685	42	14.6	644	47	13.0	610	50	11.6
1000	1/24	713	42	14.5	671	46	12.9	635	50	11.5
1000	1/36	724	42	14.5	681	46	12.8	645	50	11.5
1250	1/6	686	43	15.8	642	48	13.8	606	52	12.3
1250	1/12	744	43	15.5	696	48	13.6	658	51	12.2
1250	1/24	784	43	15.3	735	47	13.5	694	51	12.1
1250	1/36	800	42	15.3	749	47	13.4	709	51	12.0
1500	1/6	707	44	16.4	660	49	14.3	622	52	12.7
1500	1/12	777	43	16.1	726	48	14.1	684	52	12.5
1500	1/24	830	43	15.9	776	48	13.9	732	52	12.4
1500	1/36	851	43	15.8	796	48	13.8	752	52	12.3
1750	1/6	750	43	14.0	702	48	12.3	663	52	10.9
1750	1/12	830	43	13.7	777	48	12.1	735	51	10.8
1750	1/24	897	43	13.5	841	47	11.9	796	51	10.7
1750	1/36	925	42	13.4	868	47	11.8	821	51	10.6
2000	1/6	762	44	14.4	712	49	12.6	671	52	11.2
2000	1/12	847	43	14.2	792	48	12.4	748	52	11.1
2000	1/24	926	43	14.0	867	48	12.2	819	52	10.9
2000	1/36	960	43	13.8	899	48	12.1	850	51	10.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

----- 60 Rho----- ----- 90 Rho----- -----120 Rho-----
 Interface Interface Interface
 Temp Flux Temp Flux Temp Flux
 Amps °C w/ft² Amps °C w/ft² Amps °C w/ft²

Condr Neut.
Size Size

100% LF

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
2	Full1	149	41	14.6	140	46	12.9	132	50	11.6
2	1/2	150	41	14.6	140	46	12.9	133	50	11.6
2	1/3	150	41	14.6	141	46	12.9	133	50	11.6
2	1/6	150	41	14.6	141	46	12.9	133	50	11.6
1	Full1	172	41	12.1	162	46	10.7	153	50	9.6
1	1/2	173	41	12.1	163	46	10.7	154	50	9.6
1	1/3	173	41	12.1	163	46	10.7	154	50	9.6
1	1/6	174	41	12.1	163	46	10.7	154	50	9.6
1/0	Full1	195	41	12.6	183	46	11.0	172	50	9.8
1/0	1/2	197	41	12.5	184	46	10.9	174	50	9.8
1/0	1/3	197	41	12.5	185	46	10.9	174	50	9.8
1/0	1/6	198	41	12.5	185	46	10.9	175	50	9.8
2/0	Full1	221	42	12.9	206	47	11.3	194	51	10.0
2/0	1/2	223	42	12.9	208	47	11.3	196	51	10.0
2/0	1/3	224	42	12.9	209	47	11.3	197	51	10.0
2/0	1/6	225	42	12.9	210	47	11.3	198	51	10.0
3/0	Full1	248	42	13.3	232	48	11.6	218	52	10.3
3/0	1/2	252	42	13.3	235	48	11.6	221	52	10.3
3/0	1/3	254	42	13.3	237	48	11.5	223	52	10.3
3/0	1/6	255	42	13.2	238	47	11.5	224	51	10.3
4/0	Full1	278	43	13.8	259	48	12.0	243	52	10.5
4/0	1/2	285	43	13.8	265	48	12.0	249	52	10.5
4/0	1/3	287	43	13.8	267	48	11.9	251	52	10.5
4/0	1/6	290	43	13.7	270	48	11.9	253	52	10.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	312	43	14.0	290	49	12.1	272	53	10.6
250	1/6	316	43	13.9	294	48	12.1	275	52	10.6
250	1/12	318	43	13.9	296	48	12.1	277	52	10.6
250	1/18	319	43	13.9	296	48	12.1	278	52	10.6
350	1/3	369	44	14.8	341	50	12.6	319	54	11.0
350	1/6	377	44	14.7	349	50	12.6	327	54	11.0
350	1/12	382	44	14.6	354	49	12.6	331	54	11.0
350	1/18	384	44	14.6	355	49	12.6	332	53	11.0
500	1/3	439	45	13.1	405	50	11.2	378	54	9.8
500	1/6	456	45	13.0	421	50	11.1	394	54	9.7
500	1/12	467	45	12.9	431	50	11.1	403	54	9.7
500	1/18	471	45	12.9	435	50	11.1	406	54	9.7
750	1/3	502	46	14.1	461	52	11.9	428	56	10.3
750	1/6	536	46	13.9	493	52	11.8	458	56	10.2
750	1/12	561	46	13.8	516	51	11.7	480	55	10.2
750	1/18	571	46	13.8	525	51	11.7	488	55	10.1
1000	1/6	600	47	13.0	549	53	10.9	509	57	9.3
1000	1/12	641	47	12.9	587	52	10.8	545	57	9.3
1000	1/24	668	47	12.7	612	52	10.7	568	56	9.2
1000	1/36	678	47	12.7	621	52	10.7	576	56	9.2
1250	1/6	638	48	13.7	581	54	11.4	537	58	9.7
1250	1/12	693	48	13.5	632	54	11.2	584	58	9.6
1250	1/24	731	48	13.3	668	53	11.1	618	57	9.6
1250	1/36	746	48	13.3	681	53	11.1	630	57	9.5
1500	1/6	657	49	14.1	596	55	11.6	550	59	9.9
1500	1/12	722	49	14.0	656	54	11.5	606	58	9.9
1500	1/24	772	48	13.8	703	54	11.4	649	58	9.7
1500	1/36	793	48	13.7	722	54	11.4	667	58	9.7
1750	1/6	691	49	11.9	627	55	9.8	578	59	8.4
1750	1/12	765	49	11.7	696	54	9.7	642	58	8.3
1750	1/24	828	48	11.6	755	54	9.6	697	58	8.2
1750	1/36	855	48	11.5	779	54	9.6	719	58	8.2
2000	1/6	701	50	12.2	635	55	10.0	584	59	8.5
2000	1/12	780	49	12.0	707	55	9.9	652	59	8.4
2000	1/24	853	49	11.9	775	55	9.8	715	59	8.3
2000	1/36	885	49	11.8	805	54	9.7	742	58	8.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²

75% LF

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

----- 60 Rho-----					----- 90 Rho-----					-----120 Rho-----				
Interface					Interface					Interface				
Temp Flux					Temp Flux					Temp Flux				
Amps °C w/ft ²					Amps °C w/ft ²					Amps °C w/ft ²				

Condr Neut.
Size Size

75% LF

250	1/3	313	38	13.8	297	42	12.5	283	45	11.4
250	1/6	317	38	13.8	301	42	12.4	287	45	11.3
250	1/12	319	38	13.8	303	42	12.4	289	45	11.3
250	1/18	320	38	13.8	303	42	12.4	289	45	11.3
350	1/3	370	39	14.7	350	43	13.2	333	46	11.9
350	1/6	379	39	14.6	358	43	13.1	341	46	11.9
350	1/12	384	39	14.5	363	43	13.0	345	46	11.8
350	1/18	385	39	14.5	365	43	13.0	347	46	11.8
500	1/3	442	39	13.2	418	43	11.8	397	46	10.6
500	1/6	460	39	13.0	435	43	11.7	414	46	10.6
500	1/12	471	39	13.0	445	43	11.6	424	46	10.6
500	1/18	475	39	13.0	449	43	11.6	427	46	10.5
750	1/3	508	40	14.4	477	44	12.7	452	48	11.4
750	1/6	543	40	14.1	511	44	12.6	484	47	11.3
750	1/12	569	40	14.0	535	44	12.4	507	47	11.2
750	1/18	579	40	14.0	545	44	12.4	517	47	11.2
1000	1/6	610	40	13.4	573	45	11.8	543	48	10.6
1000	1/12	653	40	13.2	613	44	11.6	581	48	10.5
1000	1/24	680	40	13.1	640	44	11.6	606	48	10.4
1000	1/36	690	40	13.0	649	44	11.5	615	48	10.4
1250	1/6	651	41	14.2	610	46	12.5	576	49	11.1
1250	1/12	707	41	14.0	663	45	12.3	626	49	11.0
1250	1/24	747	41	13.8	700	45	12.2	662	49	10.9
1250	1/36	762	41	13.7	715	45	12.1	676	48	10.8
1500	1/6	672	42	14.8	627	46	12.9	591	50	11.5
1500	1/12	738	42	14.5	690	46	12.7	651	49	11.3
1500	1/24	790	41	14.3	739	46	12.5	698	49	11.2
1500	1/36	811	41	14.2	759	46	12.5	716	49	11.1
1750	1/6	712	41	12.6	666	46	11.1	629	49	9.9
1750	1/12	788	41	12.4	738	45	10.9	698	49	9.7
1750	1/24	853	41	12.2	800	45	10.7	757	48	9.6
1750	1/36	880	41	12.1	826	45	10.7	782	48	9.6
2000	1/6	723	42	13.0	675	46	11.3	637	50	10.1
2000	1/12	804	42	12.8	752	46	11.2	710	49	10.0
2000	1/24	880	41	12.5	824	46	11.0	779	49	9.8
2000	1/36	913	41	12.4	856	46	10.9	809	49	9.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	143	39	13.2	134	44	11.7	127	47	10.4
2	1/2	143	39	13.2	134	44	11.7	127	47	10.4
2	1/3	143	39	13.2	135	44	11.7	127	47	10.4
2	1/6	144	39	13.2	135	44	11.7	127	47	10.4
1	Full	165	39	10.9	155	44	9.7	146	47	8.7
1	1/2	166	39	10.9	155	44	9.7	147	47	8.7
1	1/3	166	39	10.9	156	44	9.7	147	47	8.7
1	1/6	166	39	10.9	156	44	9.7	147	47	8.7
1/0	Full	187	40	11.3	175	44	9.9	165	48	8.8
1/0	1/2	188	40	11.3	176	44	9.9	166	48	8.8
1/0	1/3	189	40	11.3	177	44	9.9	167	48	8.8
1/0	1/6	189	40	11.3	177	44	9.9	167	48	8.8
2/0	Full	211	40	11.6	197	45	10.2	186	48	9.1
2/0	1/2	213	40	11.6	199	45	10.2	188	48	9.1
2/0	1/3	214	40	11.6	200	45	10.2	189	48	9.0
2/0	1/6	215	40	11.6	201	45	10.2	189	48	9.0
3/0	Full	237	41	12.1	221	45	10.5	208	49	9.3
3/0	1/2	241	41	12.0	225	45	10.4	212	49	9.3
3/0	1/3	243	41	12.0	226	45	10.4	213	49	9.3
3/0	1/6	244	41	12.0	228	45	10.4	214	49	9.3
4/0	Full	266	41	12.5	247	46	10.8	232	50	9.5
4/0	1/2	272	41	12.4	253	46	10.8	238	50	9.5
4/0	1/3	275	41	12.4	256	46	10.8	240	50	9.5
4/0	1/6	277	41	12.4	258	46	10.7	242	50	9.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	298	41	12.6	277	46	10.9	260	50	9.6
250	1/6	302	41	12.6	281	46	10.9	264	50	9.6
250	1/12	304	41	12.6	283	46	10.9	265	50	9.6
250	1/18	305	41	12.6	284	46	10.9	266	50	9.6
350	1/3	352	42	13.2	326	47	11.5	305	51	10.0
350	1/6	360	42	13.2	334	47	11.4	312	51	9.9
350	1/12	365	42	13.2	338	47	11.4	317	51	9.9
350	1/18	367	42	13.2	340	47	11.3	318	51	9.9
500	1/3	418	43	11.8	386	48	10.1	360	51	8.8
500	1/6	435	43	11.7	403	48	10.0	376	51	8.8
500	1/12	446	43	11.7	412	48	10.0	385	51	8.7
500	1/18	449	43	11.6	416	48	10.0	389	51	8.7
750	1/3	478	44	12.7	439	49	10.7	407	53	9.3
750	1/6	511	44	12.6	470	49	10.6	437	53	9.2
750	1/12	536	44	12.5	493	49	10.6	458	53	9.1
750	1/18	545	44	12.4	502	49	10.6	466	53	9.1
1000	1/6	571	45	11.7	523	50	9.9	484	54	8.5
1000	1/12	611	45	11.6	560	50	9.7	519	53	8.4
1000	1/24	637	45	11.5	584	50	9.7	542	53	8.4
1000	1/36	646	45	11.5	593	50	9.7	550	53	8.4
1250	1/6	607	46	12.3	553	51	10.3	511	55	8.8
1250	1/12	660	46	12.2	602	51	10.1	557	54	8.7
1250	1/24	697	45	12.1	636	51	10.0	589	54	8.6
1250	1/36	711	45	12.0	650	50	10.0	602	54	8.6
1500	1/6	624	47	12.7	567	52	10.6	523	55	9.0
1500	1/12	687	46	12.6	625	51	10.4	577	55	8.9
1500	1/24	736	46	12.4	670	51	10.3	619	55	8.8
1500	1/36	755	46	12.3	688	51	10.3	636	55	8.8
1750	1/6	656	47	10.7	596	52	8.9	549	55	7.6
1750	1/12	727	46	10.6	661	52	8.8	611	55	7.5
1750	1/24	788	46	10.4	718	51	8.7	663	55	7.4
1750	1/36	814	46	10.4	742	51	8.6	686	55	7.4
2000	1/6	665	47	11.0	603	52	9.0	555	56	7.7
2000	1/12	741	47	10.9	672	52	8.9	619	56	7.6
2000	1/24	812	47	10.7	737	52	8.9	680	55	7.5
2000	1/36	843	46	10.6	766	52	8.8	707	55	7.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

		---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	75% LF								
		2	Full	134	34	11.2	127	37	10.3	122
2	1/2	134	34	11.2	128	37	10.3	123	39	9.4
2	1/3	134	34	11.2	128	37	10.3	123	39	9.4
2	1/6	134	34	11.2	128	37	10.3	123	39	9.4
1	Full	154	34	9.3	148	37	8.6	142	39	7.9
1	1/2	155	34	9.3	148	37	8.6	142	39	7.9
1	1/3	156	34	9.3	149	37	8.6	143	39	7.9
1	1/6	156	34	9.3	149	37	8.6	143	39	7.9
1/0	Full	175	34	9.7	167	37	8.8	160	39	8.1
1/0	1/2	176	34	9.6	168	37	8.7	161	39	8.1
1/0	1/3	177	34	9.6	169	37	8.7	162	39	8.1
1/0	1/6	177	34	9.6	169	37	8.7	162	39	8.1
2/0	Full	198	34	10.0	189	37	9.1	181	40	8.3
2/0	1/2	200	34	9.9	191	37	9.1	183	40	8.3
2/0	1/3	201	34	9.9	192	37	9.0	184	40	8.3
2/0	1/6	202	34	9.9	192	37	9.0	184	40	8.3
3/0	Full	223	35	10.4	212	38	9.3	203	40	8.6
3/0	1/2	227	35	10.3	216	38	9.3	206	40	8.6
3/0	1/3	228	35	10.3	217	38	9.3	208	40	8.5
3/0	1/6	230	35	10.3	219	38	9.3	209	40	8.5
4/0	Full	250	35	10.8	237	38	9.7	226	41	8.8
4/0	1/2	256	35	10.7	243	38	9.7	232	41	8.8
4/0	1/3	258	35	10.6	245	38	9.6	234	41	8.7
4/0	1/6	261	35	10.6	248	38	9.6	237	41	8.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
75% LF										
250	1/3	281	35	10.9	266	38	9.8	254	41	8.9
250	1/6	284	35	10.8	270	38	9.8	258	41	8.9
250	1/12	287	35	10.8	272	38	9.8	260	41	8.9
250	1/18	287	35	10.8	273	38	9.8	260	41	8.9
350	1/3	332	36	11.5	314	39	10.4	299	42	9.3
350	1/6	340	36	11.5	322	39	10.3	306	42	9.3
350	1/12	345	36	11.5	326	39	10.3	311	42	9.3
350	1/18	346	36	11.4	328	39	10.2	312	41	9.3
500	1/3	395	36	10.4	373	39	9.3	355	42	8.4
500	1/6	412	36	10.2	390	39	9.2	371	42	8.3
500	1/12	422	36	10.2	399	39	9.1	380	42	8.3
500	1/18	426	36	10.2	403	39	9.1	384	42	8.2
750	1/3	451	37	11.3	425	40	10.0	403	43	9.0
750	1/6	484	37	11.1	456	40	9.9	432	43	8.9
750	1/12	508	37	11.0	479	40	9.8	454	43	8.9
750	1/18	517	37	11.0	488	40	9.8	463	43	8.8
1000	1/6	542	37	10.4	510	41	9.3	483	43	8.4
1000	1/12	581	37	10.3	547	40	9.2	519	43	8.2
1000	1/24	607	37	10.3	572	40	9.1	542	43	8.2
1000	1/36	617	37	10.2	581	40	9.1	551	43	8.2
1250	1/6	578	38	11.1	542	41	9.8	511	44	8.8
1250	1/12	629	38	11.0	590	41	9.7	558	44	8.6
1250	1/24	666	38	10.8	625	41	9.6	591	44	8.6
1250	1/36	681	37	10.8	639	41	9.5	604	44	8.5
1500	1/6	595	38	11.6	556	42	10.1	524	45	9.0
1500	1/12	656	38	11.4	613	42	10.0	578	44	8.9
1500	1/24	704	38	11.2	659	42	9.9	621	44	8.8
1500	1/36	723	38	11.2	677	41	9.8	639	44	8.8
1750	1/6	630	38	9.9	590	41	8.7	558	44	7.8
1750	1/12	699	38	9.7	656	41	8.5	620	44	7.7
1750	1/24	759	38	9.6	713	41	8.5	675	44	7.6
1750	1/36	784	37	9.5	737	41	8.4	698	44	7.5
2000	1/6	639	38	10.1	598	42	8.9	564	45	7.9
2000	1/12	711	38	10.0	666	42	8.8	629	44	7.8
2000	1/24	781	38	9.8	732	41	8.7	692	44	7.8
2000	1/36	812	38	9.7	761	41	8.6	720	44	7.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	129	36	10.4	121	40	9.2	114	43	8.2
2	1/2	129	36	10.4	121	40	9.2	114	43	8.2
2	1/3	129	36	10.4	121	40	9.2	115	43	8.2
2	1/6	129	36	10.4	121	40	9.2	115	43	8.2
1	Full	148	36	8.7	139	40	7.6	132	43	6.8
1	1/2	149	36	8.7	140	40	7.6	132	43	6.8
1	1/3	149	36	8.6	140	40	7.6	133	43	6.8
1	1/6	150	36	8.6	141	40	7.6	133	43	6.8
1/0	Full	168	37	8.9	157	40	7.8	149	43	7.0
1/0	1/2	169	37	8.9	159	40	7.8	150	43	7.0
1/0	1/3	170	37	8.8	159	40	7.8	150	43	7.0
1/0	1/6	170	37	8.8	159	40	7.8	151	43	7.0
2/0	Full	190	37	9.2	177	41	8.1	167	44	7.1
2/0	1/2	192	37	9.2	179	41	8.0	169	44	7.1
2/0	1/3	193	37	9.1	180	41	8.0	170	44	7.1
2/0	1/6	193	37	9.1	181	41	8.0	171	44	7.1
3/0	Full	213	37	9.4	199	41	8.2	187	44	7.3
3/0	1/2	217	37	9.4	202	41	8.2	190	44	7.3
3/0	1/3	218	37	9.4	204	41	8.2	192	44	7.3
3/0	1/6	220	37	9.4	205	41	8.2	193	44	7.3
4/0	Full	238	38	9.8	222	42	8.5	209	45	7.6
4/0	1/2	244	38	9.8	228	42	8.5	214	44	7.5
4/0	1/3	247	38	9.7	230	42	8.5	216	44	7.5
4/0	1/6	249	38	9.7	232	42	8.4	218	44	7.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
100% LF										
250	1/3	268	38	9.8	249	42	8.6	234	45	7.6
250	1/6	271	38	9.8	253	42	8.6	237	45	7.6
250	1/12	273	38	9.8	255	42	8.6	239	45	7.6
250	1/18	274	38	9.8	255	42	8.6	239	45	7.6
350	1/3	316	39	10.4	293	43	9.0	274	46	7.9
350	1/6	324	39	10.4	300	43	8.9	281	45	7.8
350	1/12	328	39	10.4	304	42	8.9	285	45	7.8
350	1/18	330	39	10.4	306	42	8.9	286	45	7.8
500	1/3	374	39	9.3	346	43	8.0	323	46	6.9
500	1/6	390	39	9.2	361	43	7.9	337	46	6.9
500	1/12	400	39	9.1	370	43	7.9	346	46	6.9
500	1/18	403	39	9.1	374	43	7.8	349	46	6.9
750	1/3	425	40	10.0	391	44	8.4	363	47	7.3
750	1/6	456	40	9.9	419	44	8.4	390	47	7.3
750	1/12	479	40	9.8	441	44	8.3	410	47	7.2
750	1/18	488	40	9.8	449	44	8.3	418	47	7.2
1000	1/6	508	41	9.2	465	45	7.7	431	48	6.7
1000	1/12	545	41	9.1	499	45	7.7	464	48	6.6
1000	1/24	569	41	9.1	522	45	7.6	485	47	6.6
1000	1/36	579	40	9.0	531	44	7.6	493	47	6.6
1250	1/6	539	42	9.7	492	46	8.1	455	49	6.9
1250	1/12	588	41	9.6	536	45	8.0	497	48	6.9
1250	1/24	623	41	9.5	569	45	8.0	527	48	6.8
1250	1/36	636	41	9.5	581	45	7.9	539	48	6.8
1500	1/6	554	42	10.0	503	46	8.3	464	49	7.1
1500	1/12	611	42	9.9	556	46	8.2	513	49	7.0
1500	1/24	656	42	9.8	598	46	8.1	552	49	7.0
1500	1/36	674	42	9.7	615	46	8.1	568	49	7.0
1750	1/6	582	42	8.4	529	46	7.0	488	49	6.0
1750	1/12	646	42	8.3	588	46	6.9	543	49	5.9
1750	1/24	703	42	8.2	640	46	6.8	592	49	5.8
1750	1/36	727	42	8.1	662	46	6.8	613	49	5.8
2000	1/6	589	43	8.6	534	47	7.1	492	50	6.1
2000	1/12	656	42	8.5	596	46	7.0	550	49	6.0
2000	1/24	721	42	8.4	656	46	7.0	605	49	6.0
2000	1/36	750	42	8.4	683	46	7.0	630	49	5.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
75% LF										
2	Full	106	31	6.8	102	32	6.2	97	34	5.7
2	1/2	107	31	6.8	102	32	6.2	98	34	5.7
2	1/3	107	31	6.8	102	32	6.2	98	34	5.7
2	1/6	107	31	6.8	102	32	6.2	98	34	5.7
1	Full	123	30	5.7	118	32	5.2	113	34	4.8
1	1/2	124	30	5.7	118	32	5.2	113	34	4.8
1	1/3	124	30	5.7	118	32	5.2	114	34	4.8
1	1/6	124	30	5.7	119	32	5.2	114	34	4.8
1/0	Full	139	31	5.9	133	32	5.3	127	34	4.9
1/0	1/2	140	31	5.9	134	32	5.3	129	34	4.9
1/0	1/3	141	31	5.9	134	32	5.3	129	34	4.9
1/0	1/6	141	31	5.9	135	32	5.3	129	34	4.9
2/0	Full	157	31	6.0	150	33	5.5	143	34	5.1
2/0	1/2	159	31	6.0	152	33	5.5	145	34	5.0
2/0	1/3	160	31	6.0	153	33	5.5	146	34	5.0
2/0	1/6	161	31	6.0	153	33	5.5	147	34	5.0
3/0	Full	177	31	6.3	168	33	5.7	161	34	5.2
3/0	1/2	180	31	6.2	171	33	5.7	164	34	5.2
3/0	1/3	181	31	6.2	173	33	5.7	165	34	5.2
3/0	1/6	183	31	6.2	174	33	5.7	166	34	5.2
4/0	Full	198	31	6.5	188	33	5.9	179	35	5.3
4/0	1/2	203	31	6.5	193	33	5.9	184	35	5.3
4/0	1/3	205	31	6.5	195	33	5.9	186	35	5.3
4/0	1/6	207	31	6.5	197	33	5.9	188	35	5.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
 in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----			
		Amps	°C	w/ft ²	Interface Temp Flux	Amps	°C	w/ft ²	Interface Temp Flux	Amps	°C
75% LF											
250	1/3	222	31	6.5	211	33	5.9	202	35	5.4	
250	1/6	226	31	6.5	214	33	5.9	205	35	5.4	
250	1/12	228	31	6.5	216	33	5.9	207	35	5.4	
250	1/18	228	31	6.5	217	33	5.9	207	35	5.4	
350	1/3	262	32	7.0	248	34	6.3	236	35	5.7	
350	1/6	269	32	7.0	255	34	6.2	243	35	5.7	
350	1/12	273	32	6.9	259	34	6.2	246	35	5.6	
350	1/18	275	32	6.9	260	34	6.2	248	35	5.6	
500	1/3	310	32	6.2	294	34	5.6	279	35	5.1	
500	1/6	325	32	6.2	307	34	5.6	293	35	5.1	
500	1/12	334	32	6.2	316	34	5.6	301	35	5.0	
500	1/18	337	32	6.2	319	34	5.5	304	35	5.0	
750	1/3	353	32	6.8	332	35	6.0	315	36	5.4	
750	1/6	380	32	6.7	358	34	6.0	339	36	5.4	
750	1/12	400	32	6.7	377	34	6.0	357	36	5.4	
750	1/18	408	32	6.7	385	34	5.9	365	36	5.4	
1000	1/6	423	33	6.3	398	35	5.7	376	36	5.1	
1000	1/12	456	33	6.3	429	35	5.6	406	36	5.0	
1000	1/24	478	32	6.2	450	35	5.5	426	36	5.0	
1000	1/36	486	32	6.2	458	35	5.5	433	36	5.0	
1250	1/6	450	33	6.7	421	35	5.9	398	37	5.3	
1250	1/12	492	33	6.6	461	35	5.9	436	37	5.2	
1250	1/24	523	33	6.6	491	35	5.8	464	37	5.2	
1250	1/36	535	33	6.5	502	35	5.8	475	37	5.2	
1500	1/6	462	33	7.0	431	35	6.1	407	37	5.5	
1500	1/12	511	33	6.9	478	35	6.1	451	37	5.4	
1500	1/24	551	33	6.8	515	35	6.0	487	37	5.4	
1500	1/36	567	33	6.7	531	35	5.9	502	37	5.3	
1750	1/6	488	33	6.0	458	35	5.3	432	37	4.7	
1750	1/12	542	33	5.9	509	35	5.2	481	37	4.7	
1750	1/24	592	33	5.8	557	35	5.1	526	37	4.6	
1750	1/36	614	33	5.8	577	35	5.1	546	36	4.6	
2000	1/6	495	33	6.2	463	35	5.4	437	37	4.8	
2000	1/12	551	33	6.1	516	35	5.3	487	37	4.7	
2000	1/24	608	33	5.9	570	35	5.2	539	37	4.7	
2000	1/36	634	33	5.9	594	35	5.2	562	37	4.7	

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	102	32	6.3	96	34	5.6	91	36	5.0
2	1/2	103	32	6.3	97	34	5.6	91	36	5.0
2	1/3	103	32	6.3	97	34	5.6	91	36	5.0
2	1/6	103	32	6.3	97	34	5.6	92	36	5.0
1	Full	118	32	5.3	111	34	4.7	105	36	4.2
1	1/2	119	32	5.3	112	34	4.7	106	36	4.2
1	1/3	119	32	5.3	112	34	4.7	106	36	4.2
1	1/6	119	32	5.3	112	34	4.7	106	36	4.2
1/0	Full	134	32	5.4	125	34	4.8	118	36	4.2
1/0	1/2	135	32	5.3	126	34	4.8	119	36	4.2
1/0	1/3	135	32	5.3	127	34	4.8	120	36	4.2
1/0	1/6	136	32	5.3	127	34	4.8	120	36	4.2
2/0	Full	151	32	5.6	141	35	4.9	133	36	4.3
2/0	1/2	153	32	5.5	143	35	4.8	135	36	4.3
2/0	1/3	153	32	5.5	144	35	4.8	135	36	4.3
2/0	1/6	154	32	5.5	144	35	4.8	136	36	4.3
3/0	Full	169	33	5.8	158	35	5.0	149	37	4.5
3/0	1/2	172	33	5.7	161	35	5.0	151	37	4.4
3/0	1/3	174	33	5.7	162	35	5.0	153	37	4.4
3/0	1/6	175	33	5.7	163	35	5.0	154	37	4.4
4/0	Full	189	33	5.9	176	35	5.2	165	37	4.6
4/0	1/2	194	33	5.9	181	35	5.2	170	37	4.6
4/0	1/3	196	33	5.9	183	35	5.2	172	37	4.6
4/0	1/6	198	33	5.9	185	35	5.1	174	37	4.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	212	33	6.0	198	35	5.2	186	37	4.6
250	1/6	216	33	5.9	201	35	5.2	189	37	4.6
250	1/12	217	33	5.9	202	35	5.2	190	37	4.6
250	1/18	218	33	5.9	203	35	5.2	191	37	4.6
350	1/3	250	33	6.4	232	36	5.4	217	38	4.8
350	1/6	257	33	6.3	238	36	5.4	223	38	4.8
350	1/12	260	33	6.3	242	36	5.4	226	38	4.8
350	1/18	262	33	6.3	243	36	5.4	228	38	4.8
500	1/3	294	34	5.6	272	36	4.8	254	38	4.3
500	1/6	308	34	5.6	285	36	4.8	267	38	4.2
500	1/12	317	34	5.6	293	36	4.8	274	38	4.2
500	1/18	320	34	5.6	296	36	4.7	277	38	4.2
750	1/3	333	34	6.0	306	37	5.1	285	39	4.5
750	1/6	358	34	6.0	330	37	5.1	307	39	4.5
750	1/12	378	34	6.0	348	37	5.1	324	39	4.4
750	1/18	386	34	6.0	355	37	5.1	331	39	4.4
1000	1/6	397	35	5.6	363	37	4.7	337	39	4.1
1000	1/12	428	35	5.5	392	37	4.7	364	39	4.0
1000	1/24	448	35	5.5	412	37	4.7	382	39	4.0
1000	1/36	456	35	5.5	419	37	4.6	389	39	4.0
1250	1/6	420	35	5.9	384	38	5.0	355	40	4.3
1250	1/12	460	35	5.8	420	38	4.9	389	39	4.2
1250	1/24	489	35	5.8	448	38	4.8	415	39	4.2
1250	1/36	501	35	5.7	458	37	4.8	425	39	4.2
1500	1/6	430	36	6.1	392	38	5.1	361	40	4.3
1500	1/12	476	35	6.0	434	38	5.0	401	40	4.3
1500	1/24	514	35	5.9	469	38	5.0	433	40	4.3
1500	1/36	529	35	5.9	483	38	5.0	447	40	4.3
1750	1/6	451	36	5.1	411	38	4.3	379	40	3.6
1750	1/12	502	35	5.0	458	38	4.2	423	40	3.6
1750	1/24	549	35	5.0	501	38	4.2	463	40	3.6
1750	1/36	569	35	5.0	520	38	4.2	481	40	3.6
2000	1/6	456	36	5.2	415	38	4.3	382	40	3.7
2000	1/12	509	36	5.2	463	38	4.3	427	40	3.7
2000	1/24	562	36	5.1	512	38	4.3	472	40	3.6
2000	1/36	586	35	5.1	534	38	4.3	493	40	3.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	75% LF								
2	Full1	159	46	17.1	149	51	15.1	140	56	13.4
2	1/2	160	46	17.1	149	51	15.1	141	56	13.3
2	1/3	160	46	17.1	149	51	15.1	141	56	13.3
2	1/6	160	46	17.1	150	51	15.1	141	56	13.3
1	Full1	184	46	14.3	172	51	12.5	162	56	11.1
1	1/2	185	46	14.3	173	51	12.5	163	56	11.1
1	1/3	185	46	14.2	173	51	12.5	163	56	11.0
1	1/6	185	45	14.2	173	51	12.5	163	56	11.0
1/0	Full1	208	46	14.7	194	52	12.8	183	57	11.4
1/0	1/2	209	46	14.6	196	52	12.7	184	57	11.3
1/0	1/3	210	46	14.6	196	52	12.7	185	57	11.3
1/0	1/6	210	46	14.6	197	52	12.7	185	57	11.3
2/0	Full1	235	47	15.1	219	53	13.2	206	57	11.6
2/0	1/2	238	47	15.0	221	53	13.1	208	57	11.5
2/0	1/3	238	47	15.0	222	53	13.1	209	57	11.5
2/0	1/6	239	47	15.0	223	53	13.1	210	57	11.5
3/0	Full1	265	47	15.6	246	54	13.5	231	58	11.9
3/0	1/2	269	47	15.5	250	54	13.4	234	58	11.8
3/0	1/3	270	47	15.5	251	54	13.4	236	58	11.8
3/0	1/6	272	47	15.4	253	53	13.4	237	58	11.8
4/0	Full1	297	48	16.1	275	54	13.8	258	59	12.1
4/0	1/2	303	48	16.0	281	54	13.8	263	59	12.1
4/0	1/3	306	48	16.0	284	54	13.8	266	59	12.1
4/0	1/6	308	48	16.0	286	54	13.8	268	59	12.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
2	Full	149	51	15.2	137	58	12.7	126	63	10.9
2	1/2	150	51	15.1	137	58	12.7	127	63	10.9
2	1/3	150	51	15.1	137	58	12.7	127	63	10.9
2	1/6	150	51	15.1	137	58	12.7	127	63	10.9
1	Full	171	52	12.4	157	58	10.4	145	63	8.9
1	1/2	172	52	12.4	158	58	10.4	146	63	8.9
1	1/3	173	51	12.4	158	58	10.4	146	63	8.9
1	1/6	173	51	12.4	158	58	10.4	146	63	8.9
1/0	Full	194	52	12.7	177	59	10.6	164	64	9.1
1/0	1/2	195	52	12.7	178	59	10.6	165	64	9.1
1/0	1/3	196	52	12.7	179	59	10.6	165	64	9.1
1/0	1/6	196	52	12.6	179	59	10.6	165	64	9.1
2/0	Full	219	53	13.1	199	60	10.9	184	64	9.3
2/0	1/2	221	53	13.0	201	60	10.8	186	64	9.3
2/0	1/3	222	53	13.0	202	60	10.8	186	64	9.3
2/0	1/6	222	53	13.0	203	60	10.8	187	64	9.3
3/0	Full	246	54	13.4	223	60	11.1	205	65	9.4
3/0	1/2	249	54	13.3	227	60	11.0	209	65	9.4
3/0	1/3	251	54	13.3	228	60	11.0	210	65	9.4
3/0	1/6	252	54	13.3	229	60	11.0	211	65	9.3
4/0	Full	275	55	13.8	249	61	11.4	229	66	9.6
4/0	1/2	281	54	13.8	254	61	11.3	234	66	9.6
4/0	1/3	283	54	13.8	256	61	11.3	236	66	9.6
4/0	1/6	286	54	13.7	259	61	11.3	238	66	9.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
100% LF										
250	1/3	307	55	13.9	278	62	11.4	255	66	9.7
250	1/6	311	55	13.8	281	61	11.4	259	66	9.6
250	1/12	313	55	13.8	283	61	11.4	260	66	9.6
250	1/18	313	55	13.8	284	61	11.4	261	66	9.6
350	1/3	362	56	14.5	326	63	11.8	298	67	9.9
350	1/6	370	56	14.4	333	63	11.8	305	67	9.9
350	1/12	374	56	14.4	337	63	11.7	309	67	9.9
350	1/18	376	56	14.4	339	63	11.7	310	67	9.8
500	1/3	427	57	12.7	383	64	10.2	350	68	8.6
500	1/6	444	57	12.6	399	64	10.2	364	68	8.5
500	1/12	454	57	12.6	408	64	10.2	373	68	8.5
500	1/18	457	57	12.6	411	64	10.2	376	68	8.5
750	1/3	487	59	13.5	434	66	10.7	395	70	8.9
750	1/6	520	59	13.3	464	66	10.6	422	70	8.9
750	1/12	544	59	13.3	485	65	10.6	442	70	8.8
750	1/18	553	59	13.2	493	65	10.6	449	70	8.8
1000	1/6	577	61	12.1	512	67	9.6	464	71	7.9
1000	1/12	616	60	12.1	547	67	9.5	496	71	7.8
1000	1/24	640	60	12.0	569	67	9.5	517	71	7.8
1000	1/36	650	60	11.9	577	67	9.5	524	71	7.8
1250	1/6	611	62	12.6	540	68	9.9	488	72	8.1
1250	1/12	662	62	12.5	586	68	9.8	530	72	8.1
1250	1/24	698	61	12.4	618	68	9.7	560	72	8.0
1250	1/36	712	61	12.3	630	68	9.7	571	72	8.0
1500	1/6	627	63	12.9	552	69	10.0	499	73	8.2
1500	1/12	689	62	12.8	608	69	10.0	549	73	8.2
1500	1/24	736	62	12.7	650	68	9.9	587	73	8.1
1500	1/36	755	62	12.6	667	68	9.9	603	72	8.1
1750	1/6	653	64	10.6	574	70	8.2	517	74	6.7
1750	1/12	724	63	10.5	637	69	8.2	575	73	6.7
1750	1/24	782	63	10.4	689	69	8.1	622	73	6.6
1750	1/36	807	63	10.4	711	69	8.1	642	73	6.6
2000	1/6	660	64	10.9	579	70	8.4	521	74	6.8
2000	1/12	735	64	10.7	646	70	8.3	582	74	6.8
2000	1/24	804	63	10.6	707	70	8.2	637	74	6.7
2000	1/36	834	63	10.5	733	70	8.2	662	73	6.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
2	Full1	147	42	14.3	138	47	12.6	130	51	11.1
2	1/2	148	42	14.3	138	47	12.6	130	51	11.1
2	1/3	148	42	14.3	138	47	12.6	131	51	11.1
2	1/6	148	42	14.3	139	47	12.6	131	51	11.1
1	Full1	170	42	11.9	159	47	10.4	150	51	9.3
1	1/2	171	42	11.8	160	47	10.4	151	51	9.3
1	1/3	171	42	11.8	160	47	10.4	151	51	9.3
1	1/6	171	42	11.8	160	47	10.4	151	51	9.3
1/0	Full1	193	43	12.2	180	48	10.7	169	52	9.4
1/0	1/2	194	43	12.1	181	48	10.6	171	52	9.4
1/0	1/3	194	43	12.1	182	48	10.6	171	51	9.4
1/0	1/6	195	43	12.1	182	48	10.6	172	51	9.4
2/0	Full1	218	43	12.6	203	48	10.9	191	52	9.7
2/0	1/2	220	43	12.6	205	48	10.9	193	52	9.7
2/0	1/3	221	43	12.5	206	48	10.9	194	52	9.7
2/0	1/6	222	43	12.5	207	48	10.9	194	52	9.7
3/0	Full1	245	44	13.0	228	49	11.2	214	53	9.9
3/0	1/2	249	44	12.9	231	49	11.2	217	53	9.8
3/0	1/3	250	44	12.9	233	49	11.2	218	53	9.8
3/0	1/6	252	44	12.9	234	49	11.1	220	53	9.8
4/0	Full1	274	44	13.4	254	50	11.5	238	54	10.2
4/0	1/2	280	44	13.3	260	50	11.5	244	53	10.1
4/0	1/3	283	44	13.3	262	50	11.5	246	53	10.1
4/0	1/6	285	44	13.2	265	49	11.5	248	53	10.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----- Interface Temp Flux Amps °C w/ft ²			----- 90 Rho----- Interface Temp Flux Amps °C w/ft ²			-----120 Rho----- Interface Temp Flux Amps °C w/ft ²		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
75% LF										
250	1/3	307	45	13.5	285	50	11.6	267	54	10.2
250	1/6	311	45	13.5	288	50	11.6	270	54	10.2
250	1/12	313	45	13.5	290	50	11.6	272	54	10.2
250	1/18	314	45	13.4	291	50	11.6	273	54	10.2
350	1/3	362	46	14.3	335	51	12.1	312	55	10.6
350	1/6	371	46	14.2	343	51	12.1	320	55	10.6
350	1/12	375	46	14.2	347	51	12.1	324	55	10.5
350	1/18	377	45	14.1	348	51	12.1	325	55	10.5
500	1/3	430	46	12.6	396	52	10.7	369	56	9.3
500	1/6	447	46	12.5	412	52	10.6	385	55	9.3
500	1/12	458	46	12.4	422	51	10.6	394	55	9.3
500	1/18	462	46	12.4	426	51	10.6	397	55	9.2
750	1/3	491	48	13.5	450	53	11.3	417	57	9.8
750	1/6	525	48	13.4	481	53	11.3	447	57	9.8
750	1/12	550	48	13.3	504	53	11.2	468	57	9.7
750	1/18	559	47	13.3	513	53	11.2	477	57	9.7
1000	1/6	586	49	12.4	535	54	10.3	495	58	8.9
1000	1/12	627	49	12.3	572	54	10.3	530	58	8.8
1000	1/24	653	48	12.2	597	54	10.2	553	58	8.8
1000	1/36	662	48	12.2	606	54	10.2	561	58	8.8
1250	1/6	623	50	13.0	566	55	10.8	522	59	9.2
1250	1/12	676	50	12.9	615	55	10.7	568	59	9.1
1250	1/24	714	49	12.7	650	55	10.6	601	59	9.1
1250	1/36	728	49	12.7	663	55	10.6	613	59	9.1
1500	1/6	640	51	13.4	580	56	11.1	534	60	9.4
1500	1/12	704	50	13.3	639	56	11.0	589	60	9.3
1500	1/24	753	50	13.1	684	56	10.8	631	59	9.2
1500	1/36	773	50	13.0	702	55	10.8	648	59	9.2
1750	1/6	671	51	11.2	609	56	9.3	561	60	7.9
1750	1/12	744	51	11.1	676	56	9.2	623	60	7.8
1750	1/24	805	50	10.9	732	56	9.0	675	59	7.7
1750	1/36	831	50	10.9	756	56	9.0	698	59	7.7
2000	1/6	681	52	11.5	615	57	9.4	566	61	8.0
2000	1/12	758	51	11.4	686	57	9.3	631	60	7.9
2000	1/24	829	51	11.2	752	56	9.2	693	60	7.8
2000	1/36	860	51	11.1	781	56	9.2	719	60	7.8

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----					
		Amps	°C	w/ft ²	Temp	Flux	Amps	°C	w/ft ²	Temp	Flux	Amps	°C
100% LF													
2	Full1	138	47	12.7	127	53	10.6	117	57	9.2			
2	1/2	139	47	12.6	127	53	10.6	118	57	9.1			
2	1/3	139	47	12.6	127	53	10.6	118	57	9.1			
2	1/6	139	47	12.6	127	53	10.6	118	57	9.1			
1	Full1	159	47	10.4	145	53	8.7	135	57	7.5			
1	1/2	160	47	10.4	146	53	8.7	135	57	7.5			
1	1/3	160	47	10.4	146	53	8.7	136	57	7.5			
1	1/6	160	47	10.4	147	53	8.7	136	57	7.5			
1/0	Full1	180	48	10.6	164	53	8.8	152	57	7.6			
1/0	1/2	181	48	10.6	165	53	8.8	153	57	7.6			
1/0	1/3	181	48	10.6	166	53	8.8	153	57	7.6			
1/0	1/6	182	48	10.6	166	53	8.8	154	57	7.6			
2/0	Full1	203	48	10.9	184	54	9.1	170	58	7.7			
2/0	1/2	205	48	10.9	186	54	9.0	172	58	7.7			
2/0	1/3	206	48	10.9	187	54	9.0	173	58	7.7			
2/0	1/6	206	48	10.9	188	54	9.0	174	58	7.7			
3/0	Full1	227	49	11.2	206	55	9.3	190	59	7.9			
3/0	1/2	231	49	11.2	210	55	9.3	193	59	7.9			
3/0	1/3	232	49	11.1	211	55	9.3	195	59	7.9			
3/0	1/6	234	49	11.1	212	55	9.3	196	59	7.8			
4/0	Full1	254	50	11.5	230	55	9.5	212	59	8.1			
4/0	1/2	260	50	11.5	235	55	9.4	217	59	8.0			
4/0	1/3	262	50	11.5	238	55	9.4	219	59	8.0			
4/0	1/6	265	50	11.5	240	55	9.4	221	59	8.0			

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		100% LF								
250	1/3	284	50	11.6	257	56	9.5	237	60	8.1
250	1/6	288	50	11.5	261	56	9.5	240	59	8.1
250	1/12	290	50	11.5	263	55	9.5	241	59	8.1
250	1/18	291	50	11.5	263	55	9.5	242	59	8.1
350	1/3	334	51	12.1	301	57	9.8	276	61	8.3
350	1/6	342	51	12.1	308	57	9.8	283	60	8.3
350	1/12	347	51	12.1	312	57	9.8	286	60	8.3
350	1/18	348	51	12.1	314	57	9.8	288	60	8.2
500	1/3	394	52	10.6	354	58	8.6	323	61	7.1
500	1/6	410	52	10.5	368	58	8.5	337	61	7.1
500	1/12	420	52	10.5	377	57	8.5	345	61	7.1
500	1/18	423	52	10.5	380	57	8.5	348	61	7.1
750	1/3	447	54	11.2	399	59	8.9	363	63	7.4
750	1/6	479	53	11.1	427	59	8.9	389	63	7.4
750	1/12	501	53	11.1	448	59	8.9	408	63	7.3
750	1/18	510	53	11.1	456	59	8.9	415	62	7.3
1000	1/6	529	55	10.1	470	60	8.0	427	64	6.6
1000	1/12	566	55	10.0	503	60	8.0	457	64	6.6
1000	1/24	590	54	10.0	525	60	8.0	477	64	6.6
1000	1/36	599	54	10.0	533	60	7.9	484	64	6.6
1250	1/6	560	56	10.6	495	61	8.2	448	65	6.8
1250	1/12	609	56	10.4	539	61	8.2	488	65	6.7
1250	1/24	643	55	10.3	570	61	8.1	516	64	6.7
1250	1/36	656	55	10.3	582	61	8.1	527	64	6.7
1500	1/6	574	57	10.8	506	62	8.4	457	65	6.9
1500	1/12	632	56	10.7	557	62	8.4	504	65	6.9
1500	1/24	677	56	10.6	598	62	8.3	541	65	6.8
1500	1/36	695	56	10.6	614	61	8.3	556	65	6.8
1750	1/6	597	57	8.9	525	63	6.9	473	66	5.6
1750	1/12	662	57	8.8	583	62	6.9	527	66	5.6
1750	1/24	718	57	8.7	633	62	6.8	572	65	5.6
1750	1/36	741	57	8.7	654	62	6.8	591	65	5.5
2000	1/6	603	58	9.0	529	63	7.0	477	66	5.7
2000	1/12	672	58	8.9	591	63	7.0	533	66	5.7
2000	1/24	737	57	8.9	649	63	6.9	585	66	5.6
2000	1/36	766	57	8.8	674	62	6.9	608	66	5.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	75% LF								
2	Full	141	41	12.9	132	45	11.4	124	48	10.0
2	1/2	141	40	12.9	132	45	11.4	125	48	10.0
2	1/3	142	40	12.9	133	45	11.4	125	48	10.0
2	1/6	142	40	12.9	133	45	11.4	125	48	10.0
1	Full	163	41	10.7	152	45	9.3	144	48	8.3
1	1/2	163	40	10.7	153	45	9.3	144	48	8.3
1	1/3	164	40	10.7	153	45	9.3	145	48	8.3
1	1/6	164	40	10.7	154	45	9.3	145	48	8.3
1/0	Full	184	41	11.0	172	46	9.6	162	49	8.6
1/0	1/2	185	41	10.9	173	45	9.6	163	49	8.5
1/0	1/3	186	41	10.9	174	45	9.6	164	49	8.5
1/0	1/6	186	41	10.9	174	45	9.6	164	49	8.5
2/0	Full	208	41	11.3	194	46	9.8	182	50	8.7
2/0	1/2	210	41	11.3	196	46	9.8	184	50	8.7
2/0	1/3	211	41	11.3	197	46	9.8	185	49	8.7
2/0	1/6	212	41	11.3	198	46	9.8	186	49	8.7
3/0	Full	234	42	11.7	218	47	10.1	204	50	8.9
3/0	1/2	238	42	11.6	221	47	10.1	208	50	8.9
3/0	1/3	239	42	11.6	222	47	10.1	209	50	8.9
3/0	1/6	241	42	11.6	224	47	10.1	210	50	8.9
4/0	Full	262	43	12.1	243	47	10.4	228	51	9.2
4/0	1/2	268	42	12.0	249	47	10.4	233	51	9.2
4/0	1/3	270	42	12.0	251	47	10.4	235	51	9.1
4/0	1/6	273	42	12.0	253	47	10.4	238	51	9.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	293	43	12.2	272	47	10.5	255	51	9.3
250	1/6	297	43	12.1	276	47	10.4	258	51	9.2
250	1/12	299	43	12.1	278	47	10.4	260	51	9.2
250	1/18	300	43	12.1	278	47	10.4	261	51	9.2
350	1/3	346	44	12.8	320	48	10.9	299	52	9.6
350	1/6	354	44	12.8	327	48	10.9	306	52	9.6
350	1/12	359	44	12.7	332	48	10.9	310	52	9.5
350	1/18	360	44	12.7	333	48	10.9	311	52	9.5
500	1/3	410	44	11.3	378	49	9.7	352	53	8.4
500	1/6	427	44	11.3	394	49	9.6	367	53	8.4
500	1/12	437	44	11.2	403	49	9.5	376	52	8.3
500	1/18	441	44	11.2	407	49	9.5	380	52	8.3
750	1/3	468	46	12.2	428	51	10.2	397	54	8.9
750	1/6	500	46	12.1	459	50	10.2	426	54	8.8
750	1/12	525	45	11.9	481	50	10.1	447	54	8.7
750	1/18	534	45	11.9	490	50	10.1	455	54	8.7
1000	1/6	557	47	11.2	509	51	9.3	471	55	8.0
1000	1/12	597	46	11.1	545	51	9.3	505	55	8.0
1000	1/24	622	46	11.0	569	51	9.2	527	55	8.0
1000	1/36	632	46	11.0	578	51	9.2	536	55	7.9
1250	1/6	592	48	11.8	538	53	9.7	497	56	8.3
1250	1/12	644	47	11.6	586	52	9.6	541	56	8.2
1250	1/24	680	47	11.5	620	52	9.6	573	55	8.2
1250	1/36	694	47	11.4	633	52	9.5	585	55	8.1
1500	1/6	608	48	12.1	551	53	10.0	508	57	8.5
1500	1/12	670	48	11.9	608	53	9.9	560	56	8.4
1500	1/24	717	48	11.8	652	53	9.8	601	56	8.4
1500	1/36	737	48	11.8	670	53	9.7	618	56	8.3
1750	1/6	638	48	10.1	578	53	8.4	532	57	7.1
1750	1/12	707	48	10.0	642	53	8.3	592	56	7.0
1750	1/24	767	48	9.9	697	53	8.2	643	56	7.0
1750	1/36	792	48	9.8	720	53	8.1	665	56	7.0
2000	1/6	646	49	10.4	584	54	8.5	537	57	7.2
2000	1/12	720	49	10.2	652	54	8.4	600	57	7.2
2000	1/24	789	48	10.1	715	53	8.3	659	57	7.1
2000	1/36	820	48	10.1	743	53	8.3	685	57	7.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
2	Full	132	45	11.4	121	50	9.6	112	54	8.2
2	1/2	133	45	11.4	122	50	9.6	113	54	8.2
2	1/3	133	45	11.4	122	50	9.6	113	54	8.2
2	1/6	133	45	11.4	122	50	9.6	113	54	8.2
1	Full	152	45	9.3	139	50	7.8	129	54	6.7
1	1/2	153	45	9.3	140	50	7.8	130	54	6.7
1	1/3	153	45	9.3	140	50	7.8	130	54	6.7
1	1/6	153	45	9.3	140	50	7.8	130	54	6.7
1/0	Full	172	46	9.6	157	51	8.0	145	54	6.9
1/0	1/2	173	46	9.6	158	51	8.0	146	54	6.9
1/0	1/3	174	46	9.6	159	51	8.0	147	54	6.9
1/0	1/6	174	46	9.6	159	51	8.0	147	54	6.9
2/0	Full	194	46	9.8	176	51	8.1	163	55	7.0
2/0	1/2	196	46	9.8	178	51	8.1	165	55	7.0
2/0	1/3	197	46	9.8	179	51	8.1	165	55	7.0
2/0	1/6	197	46	9.8	180	51	8.1	166	55	7.0
3/0	Full	217	47	10.1	197	52	8.4	182	55	7.1
3/0	1/2	221	47	10.1	201	52	8.3	185	55	7.1
3/0	1/3	222	47	10.1	202	52	8.3	186	55	7.1
3/0	1/6	224	47	10.0	203	52	8.3	187	55	7.0
4/0	Full	243	47	10.4	220	52	8.6	202	56	7.3
4/0	1/2	248	47	10.4	225	52	8.6	207	56	7.2
4/0	1/3	251	47	10.4	227	52	8.5	209	56	7.2
4/0	1/6	253	47	10.4	230	52	8.5	211	56	7.2

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	272	48	10.4	246	53	8.6	226	56	7.3
250	1/6	275	47	10.4	250	53	8.6	229	56	7.3
250	1/12	277	47	10.4	251	53	8.6	231	56	7.3
250	1/18	278	47	10.4	252	53	8.6	232	56	7.3
350	1/3	319	49	10.9	288	54	8.9	264	57	7.6
350	1/6	327	48	10.9	295	54	8.9	270	57	7.5
350	1/12	331	48	10.9	299	54	8.9	274	57	7.5
350	1/18	333	48	10.9	300	54	8.9	275	57	7.5
500	1/3	376	49	9.5	338	55	7.8	309	58	6.5
500	1/6	392	49	9.5	352	54	7.7	322	58	6.5
500	1/12	401	49	9.5	361	54	7.7	330	58	6.5
500	1/18	405	49	9.5	364	54	7.7	333	58	6.5
750	1/3	426	51	10.2	380	56	8.1	346	59	6.7
750	1/6	456	51	10.0	407	56	8.0	371	59	6.7
750	1/12	479	51	10.0	427	56	8.0	390	59	6.7
750	1/18	487	50	10.0	435	56	8.0	397	59	6.7
1000	1/6	504	52	9.2	447	57	7.3	406	60	6.0
1000	1/12	540	52	9.1	480	57	7.2	436	60	6.0
1000	1/24	563	52	9.1	501	57	7.1	455	60	5.9
1000	1/36	572	52	9.0	509	57	7.1	463	60	5.9
1250	1/6	532	53	9.5	471	58	7.5	426	61	6.2
1250	1/12	580	53	9.4	513	58	7.4	465	61	6.1
1250	1/24	613	52	9.3	544	57	7.4	493	61	6.1
1250	1/36	626	52	9.3	555	57	7.4	503	61	6.1
1500	1/6	545	54	9.7	481	59	7.6	434	62	6.2
1500	1/12	601	53	9.7	531	58	7.6	480	61	6.2
1500	1/24	645	53	9.6	570	58	7.5	515	61	6.2
1500	1/36	662	53	9.5	586	58	7.5	530	61	6.2
1750	1/6	567	54	8.0	499	59	6.2	450	62	5.1
1750	1/12	630	54	8.0	555	59	6.2	501	62	5.1
1750	1/24	684	54	7.9	603	59	6.2	545	62	5.0
1750	1/36	706	54	7.8	624	58	6.1	564	62	5.0
2000	1/6	573	55	8.2	503	60	6.3	453	63	5.2
2000	1/12	639	54	8.1	562	59	6.3	507	62	5.1
2000	1/24	701	54	8.0	618	59	6.2	557	62	5.1
2000	1/36	729	54	8.0	642	59	6.2	580	62	5.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
75% LF										
250	1/3	263	39	9.6	244	43	8.2	229	46	7.3
250	1/6	267	39	9.5	248	43	8.2	232	46	7.2
250	1/12	269	39	9.5	250	43	8.2	234	46	7.2
250	1/18	270	39	9.5	250	43	8.2	235	46	7.2
350	1/3	310	40	10.1	287	44	8.7	268	46	7.6
350	1/6	318	40	10.0	294	44	8.6	275	46	7.6
350	1/12	322	40	10.0	298	43	8.6	279	46	7.5
350	1/18	324	40	10.0	300	43	8.6	280	46	7.5
500	1/3	367	40	8.9	338	44	7.6	315	47	6.7
500	1/6	383	40	8.9	353	44	7.6	329	47	6.6
500	1/12	392	40	8.8	362	44	7.6	338	47	6.6
500	1/18	396	40	8.8	365	44	7.5	341	47	6.6
750	1/3	416	41	9.5	382	45	8.0	354	48	6.9
750	1/6	447	41	9.5	410	45	8.0	380	48	6.9
750	1/12	469	41	9.4	431	45	8.0	400	48	6.9
750	1/18	478	41	9.4	439	45	7.9	408	48	6.9
1000	1/6	496	42	8.8	453	46	7.3	419	49	6.3
1000	1/12	532	42	8.7	487	46	7.3	451	49	6.3
1000	1/24	556	42	8.6	509	46	7.3	472	48	6.2
1000	1/36	565	42	8.6	517	46	7.2	480	48	6.2
1250	1/6	526	43	9.2	478	47	7.7	442	50	6.6
1250	1/12	573	43	9.1	522	47	7.6	482	49	6.5
1250	1/24	607	42	9.1	554	46	7.6	512	49	6.5
1250	1/36	621	42	9.0	566	46	7.5	524	49	6.5
1500	1/6	539	43	9.5	489	47	7.8	451	50	6.7
1500	1/12	595	43	9.4	540	47	7.8	498	50	6.6
1500	1/24	639	43	9.3	581	47	7.7	536	50	6.6
1500	1/36	658	43	9.3	598	47	7.7	552	50	6.6
1750	1/6	565	44	8.0	512	47	6.6	472	50	5.6
1750	1/12	628	43	7.9	570	47	6.5	526	50	5.5
1750	1/24	683	43	7.8	621	47	6.4	573	50	5.5
1750	1/36	707	43	7.8	643	47	6.4	593	50	5.5
2000	1/6	572	44	8.1	517	48	6.7	476	51	5.7
2000	1/12	638	44	8.1	577	48	6.6	532	50	5.6
2000	1/24	701	44	8.0	636	47	6.6	586	50	5.6
2000	1/36	729	43	7.9	662	47	6.5	610	50	5.6

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

		----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr	Neut.									
Size	Size									
		100% LF								
2	Full1	119	41	8.9	109	45	7.5	101	48	6.5
2	1/2	120	41	8.9	110	45	7.5	102	48	6.5
2	1/3	120	41	8.9	110	45	7.5	102	48	6.5
2	1/6	120	41	8.9	110	45	7.5	102	48	6.5
1	Full1	137	41	7.4	125	45	6.2	116	48	5.3
1	1/2	138	41	7.4	126	45	6.2	117	48	5.3
1	1/3	138	41	7.4	126	45	6.2	117	48	5.3
1	1/6	138	41	7.4	127	45	6.2	117	48	5.3
1/0	Full1	155	41	7.6	141	45	6.3	131	48	5.4
1/0	1/2	156	41	7.6	142	45	6.3	132	48	5.4
1/0	1/3	156	41	7.6	143	45	6.3	132	48	5.4
1/0	1/6	157	41	7.6	143	45	6.3	133	48	5.4
2/0	Full1	174	42	7.7	159	46	6.5	147	49	5.5
2/0	1/2	176	42	7.7	161	46	6.5	148	49	5.5
2/0	1/3	177	42	7.7	161	46	6.5	149	49	5.5
2/0	1/6	178	42	7.7	162	46	6.5	150	49	5.5
3/0	Full1	195	42	8.0	178	46	6.6	164	49	5.6
3/0	1/2	199	42	7.9	181	46	6.6	167	49	5.6
3/0	1/3	200	42	7.9	182	46	6.5	168	49	5.6
3/0	1/6	201	42	7.9	183	46	6.5	169	49	5.6
4/0	Full1	218	43	8.2	197	47	6.8	182	50	5.8
4/0	1/2	223	43	8.1	202	47	6.7	186	50	5.7
4/0	1/3	225	43	8.1	205	47	6.7	188	50	5.7
4/0	1/6	228	43	8.1	207	47	6.7	190	49	5.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
100% LF										
250	1/3	244	43	8.2	221	47	6.8	204	50	5.8
250	1/6	248	43	8.2	225	47	6.8	207	50	5.8
250	1/12	250	43	8.2	226	47	6.8	208	50	5.8
250	1/18	250	43	8.2	227	47	6.8	209	50	5.8
350	1/3	287	44	8.7	259	48	7.0	237	51	5.9
350	1/6	294	44	8.6	265	48	7.0	243	50	5.9
350	1/12	298	44	8.6	269	48	7.0	247	50	5.9
350	1/18	299	43	8.6	270	48	7.0	248	50	5.9
500	1/3	336	44	7.6	302	48	6.1	276	51	5.1
500	1/6	351	44	7.5	316	48	6.0	289	51	5.1
500	1/12	360	44	7.5	324	48	6.0	297	51	5.1
500	1/18	364	44	7.4	327	48	6.0	299	51	5.1
750	1/3	380	46	8.0	339	50	6.4	309	52	5.4
750	1/6	408	45	7.9	364	49	6.4	332	52	5.3
750	1/12	428	45	7.9	383	49	6.3	349	52	5.3
750	1/18	437	45	7.8	391	49	6.3	356	52	5.3
1000	1/6	448	46	7.2	399	50	5.7	362	53	4.7
1000	1/12	482	46	7.1	429	50	5.7	390	53	4.7
1000	1/24	504	46	7.1	449	50	5.7	408	53	4.7
1000	1/36	512	46	7.1	456	50	5.7	415	53	4.7
1250	1/6	473	47	7.5	419	51	5.9	379	54	4.9
1250	1/12	517	47	7.4	458	51	5.9	415	53	4.8
1250	1/24	548	47	7.4	486	51	5.8	441	53	4.8
1250	1/36	560	47	7.4	497	51	5.8	451	53	4.8
1500	1/6	484	48	7.7	427	52	6.1	386	54	5.0
1500	1/12	535	48	7.6	472	51	6.0	427	54	4.9
1500	1/24	575	47	7.6	509	51	5.9	461	54	4.9
1500	1/36	592	47	7.6	524	51	5.9	474	54	4.9
1750	1/6	503	48	6.3	443	52	5.0	400	54	4.0
1750	1/12	560	48	6.3	493	52	4.9	446	54	4.0
1750	1/24	610	48	6.2	538	52	4.9	487	54	4.0
1750	1/36	631	48	6.2	557	52	4.8	504	54	4.0
2000	1/6	507	49	6.5	446	52	5.0	402	55	4.1
2000	1/12	567	48	6.4	498	52	5.0	450	55	4.1
2000	1/24	624	48	6.3	550	52	4.9	496	54	4.0
2000	1/36	650	48	6.3	572	52	4.9	517	54	4.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----						
		Amps	°C	w/ft ²	Temp °C	Flux w/ft ²	Amps	°C	w/ft ²	Temp °C	Flux w/ft ²	Amps	°C	w/ft ²
75% LF														
2	Full	101	33	6.1	95	35	5.5	89	37	4.8				
2	1/2	101	33	6.1	95	35	5.5	90	36	4.8				
2	1/3	102	33	6.1	95	35	5.5	90	36	4.8				
2	1/6	102	33	6.1	95	35	5.5	90	36	4.8				
1	Full	116	33	5.1	109	35	4.5	103	36	4.0				
1	1/2	117	33	5.1	110	35	4.5	104	36	4.0				
1	1/3	117	33	5.1	110	35	4.5	104	36	4.0				
1	1/6	118	33	5.1	110	35	4.5	104	36	4.0				
1/0	Full	132	33	5.3	123	35	4.6	116	37	4.1				
1/0	1/2	133	33	5.3	124	35	4.6	117	37	4.1				
1/0	1/3	133	33	5.3	125	35	4.6	117	37	4.1				
1/0	1/6	134	33	5.3	125	35	4.6	118	37	4.1				
2/0	Full	148	33	5.4	138	35	4.8	130	37	4.2				
2/0	1/2	150	33	5.3	140	35	4.7	132	37	4.2				
2/0	1/3	151	33	5.3	141	35	4.7	133	37	4.2				
2/0	1/6	152	33	5.3	142	35	4.7	133	37	4.2				
3/0	Full	166	33	5.6	155	36	4.8	146	37	4.3				
3/0	1/2	170	33	5.5	158	36	4.8	148	37	4.2				
3/0	1/3	171	33	5.5	159	36	4.8	150	37	4.2				
3/0	1/6	172	33	5.5	160	36	4.8	151	37	4.2				
4/0	Full	186	34	5.8	173	36	5.0	162	38	4.4				
4/0	1/2	191	34	5.7	177	36	4.9	166	38	4.4				
4/0	1/3	193	34	5.7	179	36	4.9	168	38	4.4				
4/0	1/6	195	34	5.7	181	36	4.9	170	38	4.3				

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----					
		Amps	°C	w/ft ²	Temp	Flux	Amps	°C	w/ft ²	Temp	Flux	Amps	°C
Interface													
Temp Flux													
75% LF													
250	1/3	209	34	5.8	194	36	5.0	182	38	4.4			
250	1/6	212	34	5.8	197	36	5.0	185	38	4.4			
250	1/12	214	34	5.8	199	36	5.0	186	38	4.4			
250	1/18	214	34	5.8	199	36	5.0	187	38	4.4			
350	1/3	245	34	6.1	227	37	5.3	212	38	4.6			
350	1/6	252	34	6.1	233	36	5.3	218	38	4.6			
350	1/12	256	34	6.1	237	36	5.2	221	38	4.6			
350	1/18	257	34	6.0	238	36	5.2	222	38	4.6			
500	1/3	288	34	5.4	266	37	4.6	248	39	4.1			
500	1/6	302	34	5.4	279	37	4.6	260	39	4.0			
500	1/12	310	34	5.4	287	37	4.6	268	39	4.0			
500	1/18	314	34	5.4	289	37	4.5	270	39	4.0			
750	1/3	325	35	5.8	298	38	4.9	277	39	4.3			
750	1/6	350	35	5.8	321	38	4.9	299	39	4.3			
750	1/12	369	35	5.7	339	37	4.8	315	39	4.2			
750	1/18	377	35	5.7	346	37	4.8	322	39	4.2			
1000	1/6	387	36	5.3	353	38	4.4	327	40	3.9			
1000	1/12	417	35	5.2	381	38	4.4	353	40	3.8			
1000	1/24	437	35	5.2	400	38	4.4	371	40	3.8			
1000	1/36	445	35	5.2	407	38	4.4	377	40	3.8			
1250	1/6	409	36	5.6	373	39	4.7	344	40	4.0			
1250	1/12	448	36	5.5	409	38	4.6	377	40	4.0			
1250	1/24	477	36	5.5	435	38	4.6	402	40	3.9			
1250	1/36	488	36	5.5	446	38	4.6	412	40	3.9			
1500	1/6	419	36	5.8	380	39	4.8	350	41	4.1			
1500	1/12	464	36	5.7	421	39	4.7	388	40	4.0			
1500	1/24	501	36	5.7	456	39	4.7	420	40	4.0			
1500	1/36	516	36	5.7	470	39	4.7	433	40	4.0			
1750	1/6	438	36	4.8	397	39	4.0	366	41	3.4			
1750	1/12	488	36	4.8	443	39	3.9	409	40	3.4			
1750	1/24	533	36	4.7	485	39	3.9	447	40	3.4			
1750	1/36	553	36	4.7	503	39	3.9	464	40	3.3			
2000	1/6	443	37	5.0	401	39	4.1	369	41	3.5			
2000	1/12	494	37	4.9	448	39	4.0	412	41	3.5			
2000	1/24	546	36	4.8	495	39	4.0	456	41	3.4			
2000	1/36	570	36	4.8	517	39	4.0	476	41	3.4			

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	95	35	5.5	87	37	4.6	81	39	4.0
2	1/2	95	35	5.5	88	37	4.6	81	39	4.0
2	1/3	96	35	5.5	88	37	4.6	81	39	4.0
2	1/6	96	35	5.5	88	37	4.6	82	39	4.0
1	Full	109	35	4.5	100	37	3.8	93	39	3.3
1	1/2	110	35	4.5	101	37	3.8	93	39	3.2
1	1/3	110	35	4.5	101	37	3.8	94	39	3.2
1	1/6	110	35	4.5	101	37	3.8	94	39	3.2
1/0	Full	123	35	4.6	113	38	3.9	104	39	3.3
1/0	1/2	124	35	4.6	114	38	3.8	105	39	3.3
1/0	1/3	125	35	4.6	114	38	3.8	106	39	3.3
1/0	1/6	125	35	4.6	114	38	3.8	106	39	3.3
2/0	Full	138	35	4.8	126	38	4.0	117	40	3.4
2/0	1/2	140	35	4.7	128	38	3.9	118	40	3.4
2/0	1/3	141	35	4.7	129	38	3.9	119	40	3.4
2/0	1/6	142	35	4.7	129	38	3.9	120	40	3.4
3/0	Full	155	36	4.8	141	38	4.1	130	40	3.5
3/0	1/2	158	36	4.8	144	38	4.0	133	40	3.5
3/0	1/3	159	36	4.8	145	38	4.0	134	40	3.5
3/0	1/6	160	36	4.8	146	38	4.0	135	40	3.5
4/0	Full	173	36	5.0	157	38	4.2	144	40	3.6
4/0	1/2	177	36	4.9	161	38	4.2	148	40	3.5
4/0	1/3	179	36	4.9	163	38	4.1	150	40	3.5
4/0	1/6	181	36	4.9	165	38	4.1	152	40	3.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	194	36	5.0	176	39	4.2	162	40	3.6
250	1/6	197	36	5.0	179	39	4.2	165	40	3.6
250	1/12	199	36	5.0	180	39	4.2	166	40	3.6
250	1/18	199	36	5.0	181	39	4.2	167	40	3.6
350	1/3	227	37	5.3	205	39	4.3	188	41	3.6
350	1/6	233	36	5.3	211	39	4.3	194	41	3.6
350	1/12	237	36	5.3	214	39	4.3	197	41	3.6
350	1/18	238	36	5.2	215	39	4.3	198	41	3.6
500	1/3	265	37	4.6	238	40	3.7	218	41	3.2
500	1/6	278	37	4.5	250	39	3.7	229	41	3.2
500	1/12	286	37	4.5	257	39	3.7	235	41	3.2
500	1/18	288	37	4.5	260	39	3.7	238	41	3.1
750	1/3	297	38	4.9	266	40	3.9	242	42	3.3
750	1/6	320	38	4.8	286	40	3.9	261	42	3.2
750	1/12	338	38	4.8	303	40	3.9	276	42	3.2
750	1/18	345	37	4.8	309	40	3.8	282	42	3.2
1000	1/6	351	38	4.4	312	41	3.5	283	42	2.9
1000	1/12	378	38	4.4	337	41	3.5	306	42	2.9
1000	1/24	397	38	4.3	354	41	3.5	322	42	2.9
1000	1/36	404	38	4.3	360	41	3.5	327	42	2.9
1250	1/6	369	39	4.6	327	41	3.6	296	43	3.0
1250	1/12	405	39	4.6	359	41	3.6	325	43	3.0
1250	1/24	431	38	4.5	383	41	3.6	347	43	2.9
1250	1/36	442	38	4.5	392	41	3.6	356	43	2.9
1500	1/6	376	39	4.7	333	42	3.7	301	43	3.1
1500	1/12	417	39	4.7	369	41	3.7	334	43	3.1
1500	1/24	451	39	4.6	399	41	3.6	361	43	3.0
1500	1/36	465	39	4.6	412	41	3.6	373	43	3.0
1750	1/6	391	39	3.9	344	42	3.0	311	43	2.5
1750	1/12	436	39	3.9	385	42	3.0	347	43	2.5
1750	1/24	477	39	3.8	421	41	3.0	381	43	2.5
1750	1/36	495	39	3.8	437	41	3.0	396	43	2.4
2000	1/6	394	40	3.9	347	42	3.1	312	44	2.5
2000	1/12	440	39	3.9	388	42	3.1	350	43	2.5
2000	1/24	487	39	3.9	429	42	3.0	387	43	2.5
2000	1/36	508	39	3.9	448	42	3.0	405	43	2.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²			Interface Temp Flux Amps °C w/ft ²		
75% LF										
250	1/3	373	43	12.1	353	49	10.9	335	54	9.8
250	1/6	398	43	11.9	376	49	10.6	358	54	9.6
250	1/12	416	43	11.6	393	49	10.4	373	54	9.4
250	1/18	423	43	11.6	398	49	10.3	377	53	9.2
350	1/3	418	44	13.2	394	50	11.7	373	55	10.5
350	1/6	455	44	12.9	428	50	11.4	406	55	10.3
350	1/12	487	44	12.4	459	50	11.1	435	55	9.9
350	1/18	500	44	12.3	471	50	10.9	446	55	9.8
500	1/3	465	45	14.3	436	51	12.7	412	56	11.2
500	1/6	506	45	14.0	475	51	12.3	448	56	11.0
500	1/12	559	45	13.5	525	51	12.0	496	56	10.7
500	1/18	584	45	13.3	549	52	11.8	519	56	10.5
750	1/3	524	46	15.5	489	52	13.5	460	57	12.0
750	1/6	551	46	15.4	514	52	13.4	484	57	11.9
750	1/12	624	46	15.0	583	52	13.0	549	57	11.6
750	1/18	669	46	14.6	625	53	12.8	589	57	11.4
750	Open	804	46	13.3	749	52	11.6	704	57	10.3
1000	1/6	584	47	16.6	543	53	14.3	510	58	12.7
1000	1/12	660	47	16.2	614	53	14.1	576	58	12.3
1000	1/24	759	48	15.6	707	54	13.5	663	59	12.0
1000	1/36	810	48	15.4	754	54	13.3	708	59	11.8
1000	Open	943	48	14.1	875	54	12.1	820	59	10.7
1250	1/6	624	48	17.7	578	54	15.2	541	59	13.3
1250	1/12	695	48	17.4	644	54	15.0	603	59	13.1
1250	1/24	808	48	16.7	750	55	14.4	702	60	12.7
1250	1/36	872	48	16.3	809	55	14.1	758	60	12.3
1250	Open	1053	48	14.6	975	55	12.6	912	59	10.9
1500	Open	1166	49	12.1	1079	55	10.4	1008	60	9.1
1750	Open	1251	49	12.4	1154	56	10.6	1077	60	9.3
2000	Open	1326	50	12.7	1221	56	10.9	1138	61	9.4

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
100% LF										
250	1/3	353	49	10.9	326	56	9.3	305	61	8.2
250	1/6	376	49	10.6	348	56	9.1	325	61	7.9
250	1/12	393	49	10.4	362	56	8.8	337	61	7.6
250	1/18	397	49	10.1	366	56	8.6	341	60	7.5
350	1/3	394	50	11.7	363	57	9.9	338	62	8.6
350	1/6	428	50	11.4	395	57	9.7	368	62	8.4
350	1/12	459	50	11.1	423	57	9.4	393	62	8.2
350	1/18	471	50	10.9	433	57	9.3	401	62	8.0
500	1/3	436	51	12.7	400	58	10.6	371	63	9.2
500	1/6	475	51	12.3	436	58	10.4	405	63	8.9
500	1/12	525	52	12.0	482	59	10.1	448	64	8.7
500	1/18	549	52	11.8	504	59	9.9	468	64	8.6
750	1/3	489	53	13.5	447	60	11.2	413	65	9.6
750	1/6	515	53	13.4	470	59	11.2	435	64	9.6
750	1/12	584	53	13.1	533	60	10.9	493	65	9.4
750	1/18	626	53	12.8	572	60	10.7	529	65	9.2
750	Open	748	53	11.6	682	59	9.6	630	64	8.2
1000	1/6	544	54	14.4	494	61	11.9	456	65	10.1
1000	1/12	615	54	14.1	559	61	11.7	516	66	9.9
1000	1/24	707	54	13.5	643	61	11.2	594	66	9.6
1000	1/36	754	55	13.3	686	62	11.0	633	67	9.4
1000	Open	874	54	12.1	792	61	9.9	729	65	8.5
1250	1/6	579	55	15.3	524	62	12.6	482	66	10.6
1250	1/12	645	55	15.0	584	62	12.3	538	66	10.5
1250	1/24	750	55	14.4	680	62	11.8	626	67	10.0
1250	1/36	809	55	14.1	733	63	11.6	676	67	9.8
1250	Open	973	55	12.4	880	61	10.3	809	66	8.6
1500	Open	1074	55	10.3	969	62	8.4	889	67	7.0
1750	Open	1150	56	10.5	1034	63	8.6	948	67	7.2
2000	Open	1215	57	10.7	1092	63	8.7	999	68	7.3

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface Temp Flux								
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps °C w/ft ²			Amps °C w/ft ²			Amps °C w/ft ²		
		100% LF								
250	1/3	322	45	9.1	298	51	7.9	279	55	6.9
250	1/6	345	45	8.8	320	51	7.6	299	55	6.7
250	1/12	362	45	8.7	334	51	7.4	311	55	6.4
250	1/18	367	45	8.5	338	51	7.3	315	55	6.3
350	1/3	358	46	9.8	330	52	8.4	308	56	7.3
350	1/6	390	46	9.6	360	52	8.2	336	56	7.1
350	1/12	421	46	9.3	388	52	8.0	361	56	6.9
350	1/18	433	46	9.2	399	52	7.7	370	56	6.7
500	1/3	396	47	10.6	363	53	8.9	338	57	7.7
500	1/6	430	47	10.4	395	53	8.7	367	57	7.5
500	1/12	478	47	10.0	439	53	8.5	408	57	7.3
500	1/18	502	47	9.8	461	53	8.3	429	58	7.2
750	1/3	446	48	11.2	407	54	9.4	377	58	8.1
750	1/6	464	48	11.2	424	54	9.4	393	58	8.1
750	1/12	527	48	10.9	481	54	9.2	446	58	7.9
750	1/18	567	48	10.7	519	54	8.9	481	59	7.7
750	Open	693	48	9.6	632	54	8.0	584	58	6.9
1000	1/6	490	49	12.0	446	55	9.9	412	59	8.5
1000	1/12	552	49	11.8	502	55	9.8	464	59	8.4
1000	1/24	639	49	11.4	581	55	9.5	537	60	8.1
1000	1/36	685	50	11.1	624	56	9.3	576	60	8.0
1000	Open	809	49	10.1	734	55	8.4	676	59	7.1
1250	1/6	523	50	12.8	474	56	10.5	436	60	8.8
1250	1/12	578	50	12.6	524	56	10.4	483	60	8.7
1250	1/24	675	50	12.1	613	56	9.9	564	60	8.5
1250	1/36	732	50	11.8	664	56	9.7	612	61	8.3
1250	Open	901	50	10.5	815	56	8.5	750	59	7.3
1500	Open	992	50	8.6	897	56	7.0	823	60	5.9
1750	Open	1061	51	8.7	957	57	7.1	877	60	6.0
2000	Open	1123	51	9.0	1009	57	7.3	924	61	6.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		75% LF								
250	1/3	323	39	9.2	305	43	8.2	290	47	7.4
250	1/6	347	39	8.9	328	43	8.0	312	47	7.3
250	1/12	365	39	8.7	345	43	7.9	328	47	7.1
250	1/18	372	39	8.7	351	43	7.7	333	47	7.0
350	1/3	360	39	9.9	339	44	8.8	321	47	8.0
350	1/6	392	39	9.7	370	44	8.6	351	47	7.7
350	1/12	425	39	9.5	400	44	8.4	380	48	7.5
350	1/18	438	40	9.3	413	44	8.3	392	48	7.4
500	1/3	399	40	10.8	374	45	9.5	354	48	8.5
500	1/6	432	40	10.6	406	45	9.4	384	48	8.4
500	1/12	482	40	10.3	453	45	9.1	428	49	8.1
500	1/18	507	40	10.0	477	45	8.9	451	49	8.0
750	1/3	452	41	11.6	422	46	10.1	398	49	9.1
750	1/6	467	41	11.6	437	45	10.1	412	49	9.1
750	1/12	531	41	11.2	496	46	9.9	468	49	8.8
750	1/18	573	41	11.0	536	46	9.7	505	49	8.6
750	Open	712	41	10.0	664	46	8.7	625	49	7.7
1000	1/6	495	42	12.4	461	46	10.8	433	50	9.6
1000	1/12	556	42	12.2	518	46	10.6	487	50	9.4
1000	1/24	646	42	11.9	602	47	10.3	566	50	9.1
1000	1/36	696	42	11.6	648	47	10.1	609	51	8.9
1000	Open	834	42	10.6	774	47	9.2	726	50	8.1
1250	1/6	531	42	13.3	493	47	11.5	462	51	10.0
1250	1/12	585	42	13.1	543	47	11.4	509	51	9.9
1250	1/24	685	42	12.7	636	47	10.9	596	51	9.6
1250	1/36	744	43	12.3	691	48	10.7	648	51	9.4
1250	Open	931	43	11.0	862	47	9.5	808	51	8.3
1500	Open	1029	43	9.1	953	48	7.8	891	51	6.9
1750	Open	1102	43	9.3	1018	48	8.0	951	52	7.0
2000	Open	1167	44	9.6	1076	49	8.1	1004	52	7.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	305	43	8.2	283	48	7.1	265	52	6.2
250	1/6	328	43	8.0	304	49	6.9	285	52	6.0
250	1/12	345	43	7.9	319	48	6.7	297	52	5.8
250	1/18	351	43	7.7	324	48	6.5	302	52	5.7
350	1/3	339	44	8.8	313	49	7.5	292	53	6.5
350	1/6	370	44	8.6	341	49	7.4	318	53	6.4
350	1/12	400	44	8.4	369	50	7.2	345	53	6.2
350	1/18	413	44	8.3	381	50	7.1	353	53	6.1
500	1/3	375	45	9.5	344	50	8.1	320	54	7.0
500	1/6	406	45	9.4	373	50	8.0	347	54	6.9
500	1/12	453	45	9.1	416	50	7.6	387	54	6.7
500	1/18	477	45	8.9	438	51	7.5	408	55	6.5
750	1/3	423	46	10.1	386	51	8.5	358	55	7.3
750	1/6	437	46	10.1	400	51	8.5	371	55	7.3
750	1/12	497	46	9.9	454	51	8.3	421	55	7.1
750	1/18	536	46	9.7	491	51	8.2	455	55	7.0
750	Open	663	46	8.7	605	51	7.2	559	55	6.2
1000	1/6	462	47	10.8	421	52	9.1	388	56	7.7
1000	1/12	519	47	10.7	473	52	8.8	436	56	7.5
1000	1/24	603	47	10.3	549	52	8.6	507	56	7.3
1000	1/36	648	47	10.1	591	53	8.4	546	57	7.2
1000	Open	774	47	9.2	702	52	7.5	647	56	6.4
1250	1/6	494	48	11.5	448	53	9.5	412	56	8.1
1250	1/12	543	47	11.4	493	53	9.4	454	56	8.0
1250	1/24	636	48	10.9	577	53	9.1	532	57	7.6
1250	1/36	692	48	10.7	628	53	8.8	579	57	7.5
1250	Open	861	47	9.4	780	53	7.7	718	56	6.5
1500	Open	948	48	7.7	857	53	6.4	788	57	5.3
1750	Open	1013	48	7.9	914	54	6.5	838	57	5.4
2000	Open	1072	49	8.1	964	54	6.6	883	58	5.5

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----					
		Amps	°C	w/ft ²	Temp	Flux	Amps	°C	w/ft ²	Temp	Flux	Amps	°C
		Interface											
		Temp Flux											
		75% LF											
250	1/3	286	36	7.3	270	39	6.5	257	42	5.9			
250	1/6	308	36	7.1	292	39	6.3	277	42	5.8			
250	1/12	326	36	6.9	309	39	6.2	294	42	5.6			
250	1/18	333	36	6.9	315	39	6.1	299	42	5.6			
350	1/3	317	36	7.9	299	40	7.0	284	43	6.3			
350	1/6	346	36	7.6	326	40	6.9	310	43	6.1			
350	1/12	377	36	7.4	356	40	6.7	337	43	6.0			
350	1/18	391	36	7.3	369	40	6.5	350	43	5.9			
500	1/3	351	37	8.5	330	41	7.5	312	43	6.8			
500	1/6	379	37	8.4	356	40	7.4	337	43	6.7			
500	1/12	425	37	8.1	399	41	7.2	378	44	6.4			
500	1/18	449	37	8.0	423	41	7.1	400	44	6.3			
750	1/3	400	38	9.2	374	41	8.0	352	44	7.1			
750	1/6	408	37	9.2	382	41	8.0	360	44	7.1			
750	1/12	463	38	8.9	433	41	7.9	409	44	7.0			
750	1/18	502	38	8.7	470	41	7.6	443	44	6.9			
750	Open	641	38	7.9	599	41	6.9	563	44	6.1			
1000	1/6	433	38	9.8	403	42	8.5	379	45	7.5			
1000	1/12	483	38	9.6	450	42	8.4	423	45	7.4			
1000	1/24	565	38	9.4	526	42	8.2	495	45	7.2			
1000	1/36	611	38	9.2	570	42	8.0	536	45	7.1			
1000	Open	749	39	8.4	697	42	7.2	653	45	6.3			
1250	1/6	466	39	10.5	433	43	9.1	405	45	8.0			
1250	1/12	507	39	10.4	471	42	8.9	442	45	7.9			
1250	1/24	596	39	10.0	554	43	8.6	519	46	7.6			
1250	1/36	651	39	9.8	605	43	8.5	568	46	7.4			
1250	Open	837	39	8.7	775	43	7.4	726	46	6.5			
1500	Open	925	39	7.2	856	43	6.2	801	46	5.4			
1750	Open	991	40	7.4	915	43	6.3	855	46	5.5			
2000	Open	1046	40	7.6	965	44	6.5	900	47	5.6			

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----			
		Amps	°C	w/ft ²	Interface Temp Flux	Amps	°C	w/ft ²	Interface Temp Flux	Amps	°C
100% LF											
250	1/3	270	39	6.5	250	43	5.6	234	47	4.9	
250	1/6	292	39	6.3	270	44	5.5	253	47	4.8	
250	1/12	309	39	6.2	286	44	5.3	266	47	4.6	
250	1/18	315	39	6.1	291	43	5.2	271	46	4.6	
350	1/3	299	40	7.0	276	44	6.0	258	47	5.2	
350	1/6	327	40	6.9	302	44	5.9	282	47	5.1	
350	1/12	356	40	6.7	329	44	5.7	307	48	4.9	
350	1/18	369	40	6.5	341	44	5.6	316	47	4.8	
500	1/3	330	41	7.5	304	45	6.3	282	48	5.5	
500	1/6	356	41	7.4	327	45	6.3	305	48	5.5	
500	1/12	399	41	7.2	367	45	6.1	342	48	5.2	
500	1/18	423	41	7.1	389	45	6.0	362	48	5.2	
750	1/3	374	42	8.0	342	46	6.7	317	49	5.8	
750	1/6	382	41	8.1	350	45	6.8	324	48	5.8	
750	1/12	434	41	7.9	397	46	6.5	368	49	5.7	
750	1/18	470	42	7.6	431	46	6.4	400	49	5.6	
750	Open	598	42	6.9	546	46	5.7	504	48	4.9	
1000	1/6	404	42	8.5	368	46	7.1	340	49	6.1	
1000	1/12	451	42	8.4	411	46	7.0	380	49	6.0	
1000	1/24	527	42	8.2	480	47	6.8	444	50	5.8	
1000	1/36	570	43	8.0	520	47	6.7	481	50	5.7	
1000	Open	696	42	7.2	632	46	6.0	583	49	5.1	
1250	1/6	433	43	9.1	393	47	7.5	362	50	6.3	
1250	1/12	472	43	8.9	429	47	7.4	395	50	6.3	
1250	1/24	554	43	8.7	504	47	7.2	464	50	6.1	
1250	1/36	606	43	8.5	550	47	7.0	508	50	6.0	
1250	Open	775	43	7.4	702	47	6.1	646	50	5.2	
1500	Open	852	43	6.1	770	47	5.0	708	50	4.2	
1750	Open	911	44	6.3	822	48	5.1	754	50	4.3	
2000	Open	961	44	6.4	865	48	5.2	793	51	4.4	

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface Temp Flux								
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps °C w/ft ²			Amps °C w/ft ²			Amps °C w/ft ²		
		100% LF								
250	1/3	209	34	4.0	194	36	3.5	182	38	3.1
250	1/6	227	34	3.9	211	36	3.4	198	38	2.9
250	1/12	243	34	3.8	226	37	3.3	211	38	2.8
250	1/18	250	34	3.8	231	36	3.3	215	38	2.8
350	1/3	231	34	4.3	213	37	3.7	199	39	3.2
350	1/6	252	34	4.3	233	37	3.6	217	39	3.2
350	1/12	277	34	4.0	257	37	3.5	240	39	3.1
350	1/18	289	34	4.0	268	37	3.5	250	39	3.1
500	1/3	255	35	4.6	235	37	3.9	218	39	3.4
500	1/6	272	35	4.6	250	37	3.8	233	39	3.4
500	1/12	307	35	4.4	283	37	3.7	263	39	3.3
500	1/18	328	35	4.4	302	37	3.7	281	39	3.2
750	1/3	291	35	4.9	267	38	4.0	247	40	3.5
750	1/6	291	35	4.9	266	38	4.1	247	39	3.6
750	1/12	329	35	4.8	301	38	4.0	280	40	3.5
750	1/18	359	35	4.7	329	38	3.9	305	40	3.4
750	Open	476	35	4.1	435	38	3.5	402	40	3.1
1000	1/6	309	36	5.2	282	38	4.4	260	40	3.7
1000	1/12	339	35	5.1	310	38	4.4	286	40	3.7
1000	1/24	399	36	5.0	365	38	4.1	337	40	3.6
1000	1/36	436	36	4.9	398	38	4.1	368	40	3.5
1000	Open	554	36	4.4	504	38	3.7	464	40	3.2
1250	1/6	333	36	5.6	302	39	4.6	279	40	3.9
1250	1/12	355	36	5.5	323	38	4.6	298	40	3.9
1250	1/24	418	36	5.3	380	39	4.5	351	40	3.8
1250	1/36	461	36	5.2	419	39	4.4	387	41	3.7
1250	Open	617	36	4.6	559	39	3.7	514	40	3.2
1500	Open	677	36	3.7	612	39	3.1	563	41	2.6
1750	Open	722	36	3.8	652	39	3.1	599	41	2.6
2000	Open	761	37	3.9	685	39	3.2	628	41	2.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

		---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Interface			Interface			Interface		
		Temp Flux			Temp Flux			Temp Flux		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Condr Size	Neut. Size	75% LF								
250	1/3	356	46	11.2	332	52	9.8	312	57	8.6
250	1/6	381	46	10.9	355	52	9.5	334	57	8.4
250	1/12	398	46	10.7	372	52	9.3	349	57	8.3
250	1/18	405	46	10.6	378	52	9.3	355	57	8.2
350	1/3	398	47	12.1	370	54	10.5	346	58	9.2
350	1/6	433	47	11.8	402	54	10.1	377	58	8.9
350	1/12	465	47	11.5	432	53	9.9	405	58	8.7
350	1/18	478	47	11.4	444	53	9.8	416	58	8.6
500	1/3	441	49	13.1	407	55	11.2	380	60	9.8
500	1/6	479	49	12.9	443	55	11.0	414	60	9.6
500	1/12	531	49	12.4	491	55	10.7	459	60	9.3
500	1/18	556	48	12.2	514	55	10.5	481	59	9.2
750	1/3	496	50	14.1	456	57	11.9	424	61	10.4
750	1/6	519	50	14.0	478	56	11.9	445	61	10.4
750	1/12	589	50	13.6	542	56	11.6	505	61	10.0
750	1/18	633	50	13.3	582	56	11.4	542	61	9.8
750	Open	774	50	12.3	712	56	10.5	664	61	9.1
1000	1/6	549	51	15.1	503	58	12.7	467	62	10.9
1000	1/12	620	51	14.7	568	58	12.3	527	62	10.7
1000	1/24	715	51	14.2	655	58	11.9	608	62	10.3
1000	1/36	764	51	13.9	700	58	11.7	650	62	10.0
1000	Open	905	51	13.0	829	58	10.9	770	62	9.5
1250	1/6	585	53	15.9	534	59	13.3	495	64	11.5
1250	1/12	650	52	15.7	594	59	13.1	549	64	11.2
1250	1/24	757	52	15.1	692	59	12.6	641	63	10.8
1250	1/36	819	52	14.7	748	59	12.3	693	63	10.6
1250	Open	1009	52	13.4	923	58	11.2	855	63	9.7
1500	Open	1115	52	11.0	1018	59	9.3	943	64	7.9
1750	Open	1194	53	11.4	1088	60	9.4	1006	64	8.1
2000	Open	1264	54	11.6	1150	60	9.6	1061	65	8.2

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
 in Buried Ducts - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho-----			----- 90 Rho-----			-----120 Rho-----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	331	53	9.7	301	59	8.1	278	64	6.9
250	1/6	354	53	9.5	322	59	7.9	298	64	6.7
250	1/12	370	53	9.3	337	59	7.7	312	64	6.5
250	1/18	376	53	9.2	343	59	7.6	317	64	6.5
350	1/3	368	54	10.4	334	61	8.6	307	65	7.3
350	1/6	401	54	10.1	363	61	8.3	335	65	7.1
350	1/12	430	54	9.8	390	60	8.1	359	65	6.9
350	1/18	442	54	9.7	401	61	8.0	370	65	6.8
500	1/3	406	55	11.1	366	62	9.1	336	67	7.6
500	1/6	442	55	10.9	399	62	8.9	366	67	7.5
500	1/12	489	55	10.6	442	62	8.6	406	66	7.3
500	1/18	512	55	10.4	463	62	8.5	425	66	7.2
750	1/3	454	57	11.8	408	63	9.6	373	68	8.1
750	1/6	477	57	11.8	428	63	9.6	392	68	8.0
750	1/12	540	57	11.5	486	63	9.3	444	68	7.7
750	1/18	580	57	11.2	521	63	9.1	477	68	7.6
750	Open	709	57	10.4	638	63	8.4	584	68	7.1
1000	1/6	501	58	12.6	449	65	10.0	409	69	8.4
1000	1/12	566	58	12.3	506	65	9.8	462	69	8.2
1000	1/24	653	58	11.9	584	65	9.5	532	69	8.0
1000	1/36	697	58	11.6	624	65	9.3	569	69	7.7
1000	Open	826	58	10.8	739	65	8.7	674	69	7.2
1250	1/6	533	59	13.2	475	66	10.6	433	70	8.7
1250	1/12	592	59	13.0	527	66	10.4	480	70	8.6
1250	1/24	689	59	12.6	614	66	9.9	559	70	8.3
1250	1/36	745	59	12.2	665	66	9.7	605	70	8.1
1250	Open	918	59	11.1	820	65	8.8	746	70	7.4
1500	Open	1010	59	9.1	899	66	7.2	818	70	5.9
1750	Open	1079	60	9.3	959	67	7.4	870	71	6.0
2000	Open	1140	61	9.5	1011	67	7.5	917	71	6.1

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
75% LF										
250	1/3	325	43	9.4	303	48	8.2	285	52	7.2
250	1/6	349	43	9.2	326	48	8.0	306	52	7.1
250	1/12	367	43	8.9	342	48	7.9	322	52	6.9
250	1/18	374	43	8.8	349	48	7.7	328	52	6.9
350	1/3	362	44	10.1	336	49	8.8	315	53	7.7
350	1/6	394	44	9.9	366	49	8.5	343	53	7.5
350	1/12	426	44	9.6	396	49	8.3	371	53	7.3
350	1/18	439	44	9.5	408	49	8.2	383	53	7.2
500	1/3	400	45	10.9	370	50	9.4	346	54	8.2
500	1/6	434	45	10.8	401	50	9.3	375	54	8.1
500	1/12	483	45	10.4	447	50	8.9	418	54	7.9
500	1/18	508	45	10.3	470	50	8.7	440	54	7.6
750	1/3	451	46	11.7	415	52	9.9	387	55	8.6
750	1/6	468	46	11.7	431	51	9.9	401	55	8.6
750	1/12	531	46	11.4	489	51	9.7	456	55	8.4
750	1/18	573	46	11.1	528	51	9.5	492	55	8.3
750	Open	716	46	10.3	660	51	8.7	615	55	7.6
1000	1/6	494	47	12.6	454	52	10.6	421	56	9.2
1000	1/12	555	47	12.3	510	52	10.4	473	56	8.9
1000	1/24	645	47	11.9	591	52	10.0	549	56	8.6
1000	1/36	693	47	11.7	636	52	9.8	591	56	8.5
1000	Open	838	47	10.9	768	52	9.2	714	56	7.9
1250	1/6	528	48	13.3	483	54	11.1	447	57	9.6
1250	1/12	582	48	13.1	532	53	11.0	493	57	9.5
1250	1/24	681	48	12.7	623	53	10.6	577	57	9.1
1250	1/36	740	48	12.3	677	53	10.4	627	57	8.8
1250	Open	933	47	11.2	854	53	9.4	792	57	8.1
1500	Open	1030	48	9.3	942	53	7.7	872	57	6.6
1750	Open	1102	48	9.5	1005	54	7.9	930	58	6.8
2000	Open	1166	49	9.7	1061	55	8.1	980	58	6.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	302	48	8.2	275	54	6.8	254	58	5.8
250	1/6	324	48	8.0	296	54	6.5	273	58	5.7
250	1/12	341	48	7.7	311	54	6.4	287	58	5.6
250	1/18	347	48	7.6	317	54	6.4	293	58	5.5
350	1/3	335	49	8.7	304	55	7.2	280	59	6.1
350	1/6	365	49	8.5	331	55	7.0	305	59	6.0
350	1/12	394	49	8.3	358	55	6.8	330	59	5.8
350	1/18	407	49	8.2	369	55	6.8	341	59	5.7
500	1/3	369	50	9.4	333	56	7.6	306	60	6.4
500	1/6	400	50	9.2	361	56	7.5	332	60	6.3
500	1/12	446	50	8.8	403	56	7.2	370	60	6.1
500	1/18	469	50	8.7	424	56	7.1	389	60	6.0
750	1/3	414	52	9.9	372	57	8.0	340	61	6.8
750	1/6	430	51	9.9	386	57	8.1	354	61	6.8
750	1/12	488	51	9.6	439	57	7.9	402	61	6.5
750	1/18	526	51	9.4	473	57	7.6	433	61	6.4
750	Open	657	51	8.6	592	57	7.0	541	61	5.9
1000	1/6	452	53	10.5	405	58	8.4	370	62	7.1
1000	1/12	508	53	10.3	455	58	8.3	415	62	6.9
1000	1/24	590	53	9.9	528	58	8.0	482	62	6.7
1000	1/36	634	53	9.7	567	58	7.9	518	62	6.5
1000	Open	765	53	9.1	685	58	7.3	625	62	6.1
1250	1/6	481	54	11.0	429	59	8.8	391	63	7.3
1250	1/12	531	54	10.9	473	59	8.7	431	63	7.2
1250	1/24	621	54	10.5	554	59	8.4	504	63	7.0
1250	1/36	674	54	10.3	602	59	8.2	548	63	6.8
1250	Open	850	53	9.3	759	59	7.4	692	63	6.2
1500	Open	934	54	7.6	833	59	6.0	758	63	5.0
1750	Open	997	54	7.8	887	60	6.2	806	64	5.1
2000	Open	1053	55	7.9	934	60	6.3	848	64	5.2

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----			
		Amps	°C	w/ft ²	Interface Temp Flux	Amps	°C	w/ft ²	Interface Temp Flux	Amps	°C
75% LF											
250	1/3	308	41	8.5	288	46	7.4	271	49	6.5	
250	1/6	332	41	8.3	310	46	7.2	291	49	6.4	
250	1/12	350	41	8.1	326	46	7.1	307	49	6.2	
250	1/18	357	41	8.1	333	46	7.0	313	49	6.2	
350	1/3	343	42	9.2	318	47	8.0	298	50	7.0	
350	1/6	374	42	8.9	347	47	7.7	326	50	6.9	
350	1/12	405	42	8.7	376	47	7.5	353	50	6.7	
350	1/18	418	42	8.6	389	46	7.4	365	50	6.5	
500	1/3	378	43	9.9	350	48	8.5	327	51	7.4	
500	1/6	410	43	9.7	379	48	8.3	354	51	7.3	
500	1/12	458	43	9.4	424	48	8.1	396	51	7.1	
500	1/18	483	43	9.3	447	48	8.0	418	51	7.0	
750	1/3	428	44	10.6	394	49	8.9	367	53	7.7	
750	1/6	441	44	10.6	406	49	9.1	379	52	7.9	
750	1/12	501	44	10.3	461	49	8.7	430	52	7.6	
750	1/18	541	44	10.1	499	49	8.6	465	52	7.4	
750	Open	685	44	9.3	632	49	7.9	589	52	6.9	
1000	1/6	466	45	11.4	428	50	9.6	397	53	8.3	
1000	1/12	522	45	11.1	479	50	9.4	445	53	8.1	
1000	1/24	608	45	10.8	558	50	9.1	519	53	7.9	
1000	1/36	656	45	10.6	602	50	8.8	559	53	7.6	
1000	Open	801	45	9.8	735	50	8.3	683	53	7.1	
1250	1/6	499	46	12.0	456	51	10.0	422	54	8.6	
1250	1/12	547	46	11.9	500	51	9.9	464	54	8.5	
1250	1/24	642	46	11.5	587	51	9.6	544	54	8.3	
1250	1/36	699	46	11.1	639	51	9.4	592	54	8.1	
1250	Open	892	45	10.1	817	50	8.5	758	54	7.3	
1500	Open	984	46	8.3	900	51	7.0	834	54	6.0	
1750	Open	1053	46	8.6	960	51	7.1	888	55	6.1	
2000	Open	1113	47	8.7	1014	52	7.3	936	55	6.2	

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----						
		Amps	°C	w/ft ²	Temp °C	Flux w/ft ²	Amps	°C	w/ft ²	Temp °C	Flux w/ft ²	Amps	°C	w/ft ²
100% LF														
250	1/3	287	46	7.4	261	51	6.1	242	55	5.2				
250	1/6	309	46	7.2	281	51	6.0	260	55	5.1				
250	1/12	325	46	7.0	297	51	5.9	274	55	5.0				
250	1/18	332	46	7.0	303	51	5.8	280	55	4.9				
350	1/3	317	47	7.9	288	52	6.5	265	56	5.6				
350	1/6	346	47	7.6	314	52	6.3	290	56	5.5				
350	1/12	375	47	7.4	341	52	6.2	314	55	5.2				
350	1/18	388	47	7.3	352	52	6.1	325	56	5.2				
500	1/3	349	48	8.4	316	53	6.9	290	57	5.8				
500	1/6	378	48	8.3	342	53	6.8	314	57	5.8				
500	1/12	422	48	8.1	382	53	6.5	351	57	5.6				
500	1/18	445	48	7.9	403	53	6.4	370	56	5.5				
750	1/3	393	49	8.9	353	54	7.2	323	58	6.1				
750	1/6	405	49	8.9	365	54	7.3	334	58	6.1				
750	1/12	460	49	8.7	414	54	7.1	379	58	5.9				
750	1/18	497	49	8.5	448	54	7.0	410	58	5.8				
750	Open	629	49	7.9	566	54	6.3	519	57	5.3				
1000	1/6	427	50	9.5	382	55	7.6	349	58	6.4				
1000	1/12	478	50	9.4	428	55	7.5	391	58	6.3				
1000	1/24	556	50	9.1	498	55	7.2	455	58	6.0				
1000	1/36	600	50	8.8	537	55	7.1	491	58	5.9				
1000	Open	731	50	8.2	655	55	6.5	599	58	5.6				
1250	1/6	455	51	10.0	406	56	8.0	370	59	6.7				
1250	1/12	499	51	9.9	445	56	7.9	406	59	6.5				
1250	1/24	585	51	9.5	522	56	7.6	475	59	6.3				
1250	1/36	637	51	9.3	569	56	7.4	518	59	6.2				
1250	Open	813	51	8.4	727	56	6.8	663	59	5.7				
1500	Open	893	51	6.9	796	56	5.5	725	59	4.6				
1750	Open	953	52	7.0	848	57	5.6	770	60	4.6				
2000	Open	1005	52	7.1	893	57	5.7	810	60	4.7				

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Buried Ducts - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

----- 60 Rho-----	----- 90 Rho-----	-----120 Rho-----
Interface	Interface	Interface
Temp Flux	Temp Flux	Temp Flux
Amps °C w/ft ²	Amps °C w/ft ²	Amps °C w/ft ²

Condr Neut.
Size Size

75% LF

250	1/3	273	38	6.8	255	41	5.9	239	44	5.2
250	1/6	295	38	6.5	275	41	5.7	259	44	5.0
250	1/12	312	38	6.4	292	41	5.6	275	44	4.9
250	1/18	320	38	6.3	299	41	5.6	281	44	4.9
350	1/3	302	38	7.3	281	42	6.3	263	45	5.6
350	1/6	330	38	7.1	307	42	6.1	288	45	5.5
350	1/12	360	38	6.9	335	42	6.0	314	45	5.2
350	1/18	373	38	6.8	347	42	5.9	326	45	5.1
500	1/3	334	39	7.7	309	43	6.7	289	46	5.9
500	1/6	359	39	7.6	332	43	6.7	311	46	5.8
500	1/12	403	39	7.4	374	43	6.4	349	46	5.6
500	1/18	427	39	7.3	396	43	6.3	370	46	5.6
750	1/3	379	40	8.3	349	44	7.1	325	47	6.1
750	1/6	385	40	8.4	355	44	7.1	331	47	6.2
750	1/12	437	40	8.2	403	44	7.0	376	47	6.0
750	1/18	474	40	8.0	438	44	6.8	408	47	5.9
750	Open	617	40	7.3	569	44	6.2	530	47	5.5
1000	1/6	408	41	8.9	375	45	7.5	348	47	6.5
1000	1/12	454	41	8.7	417	45	7.4	387	47	6.4
1000	1/24	531	41	8.5	488	45	7.2	453	47	6.2
1000	1/36	576	41	8.3	529	45	7.1	492	47	6.1
1000	Open	720	41	7.7	661	45	6.5	614	47	5.7
1250	1/6	438	41	9.5	401	45	8.0	371	48	6.9
1250	1/12	475	41	9.4	434	45	7.9	403	48	6.8
1250	1/24	558	41	9.1	511	45	7.6	474	48	6.5
1250	1/36	611	41	8.8	560	45	7.4	519	48	6.4
1250	Open	802	41	8.0	735	45	6.8	682	48	5.8
1500	Open	884	41	6.5	808	45	5.5	750	48	4.8
1750	Open	945	42	6.8	863	46	5.6	799	49	4.8
2000	Open	998	42	6.9	909	46	5.8	840	49	4.9

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Buried Ducts - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
Interface										
Temp Flux										
100% LF										
250	1/3	254	42	5.9	231	46	4.9	214	49	4.1
250	1/6	274	41	5.7	250	46	4.7	232	48	4.0
250	1/12	291	41	5.6	266	46	4.6	246	48	3.9
250	1/18	298	41	5.5	272	46	4.6	251	49	3.9
350	1/3	280	42	6.2	254	46	5.1	234	49	4.4
350	1/6	306	42	6.1	278	46	5.0	256	49	4.3
350	1/12	334	42	5.9	303	46	4.9	280	49	4.1
350	1/18	346	42	5.8	315	46	4.8	290	49	4.1
500	1/3	308	43	6.7	279	47	5.5	256	50	4.6
500	1/6	331	43	6.5	300	47	5.3	276	50	4.6
500	1/12	372	43	6.3	337	47	5.2	310	50	4.5
500	1/18	395	43	6.2	357	47	5.1	328	50	4.4
750	1/3	348	44	7.0	313	48	5.7	287	51	4.8
750	1/6	354	44	7.1	319	48	5.8	292	51	4.8
750	1/12	402	44	6.9	362	48	5.7	332	51	4.7
750	1/18	436	44	6.8	393	48	5.5	361	51	4.7
750	Open	567	44	6.2	510	48	5.0	468	51	4.3
1000	1/6	374	45	7.5	335	49	6.0	306	52	5.0
1000	1/12	416	45	7.4	373	49	6.0	341	52	5.0
1000	1/24	486	45	7.2	436	49	5.8	398	52	4.8
1000	1/36	527	45	7.0	473	49	5.7	432	52	4.7
1000	Open	658	45	6.4	590	49	5.2	539	52	4.4
1250	1/6	400	46	7.9	357	50	6.3	325	52	5.2
1250	1/12	433	45	7.9	387	49	6.3	353	52	5.2
1250	1/24	509	45	7.5	455	50	6.1	415	52	5.0
1250	1/36	558	45	7.4	498	49	5.9	454	52	4.9
1250	Open	732	45	6.7	654	49	5.3	597	52	4.5
1500	Open	802	46	5.4	716	50	4.3	652	52	3.6
1750	Open	856	46	5.5	762	50	4.4	693	53	3.6
2000	Open	902	47	5.7	802	50	4.5	728	53	3.7

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Conduit in Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
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90°C - Copper Conductor - Concentric Strand

2	Full	137	143	100	114
2	1/2	138	143	100	115
2	1/3	138	143	100	115
2	1/6	138	144	101	115
1	Full	161	167	116	131
1	1/2	162	167	117	132
1	1/3	162	168	117	132
1	1/6	162	168	117	132
1/0	Full	183	189	132	149
1/0	1/2	184	190	132	150
1/0	1/3	184	191	133	150
1/0	1/6	185	191	133	150
2/0	Full	207	214	149	168
2/0	1/2	209	216	151	170
2/0	1/3	210	217	151	171
2/0	1/6	210	218	152	171
3/0	Full	233	242	168	190
3/0	1/2	237	245	171	193
3/0	1/3	238	247	172	194
3/0	1/6	239	248	173	195
4/0	Full	262	272	189	214
4/0	1/2	268	278	193	218
4/0	1/3	270	280	195	220
4/0	1/6	272	283	196	222

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Conduit in Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
---------------	---------------

90°C - Copper Conductor - Concentric Strand

250	1/3	294	305	212	240
250	1/6	297	308	214	242
250	1/12	299	310	215	244
250	1/18	300	311	216	244
350	1/3	349	363	252	285
350	1/6	356	370	257	291
350	1/12	360	375	260	294
350	1/18	362	376	261	296
500	1/3	423	437	302	339
500	1/6	439	454	313	352
500	1/12	448	464	320	359
500	1/18	451	467	322	362
750	1/3	489	507	349	393
750	1/6	521	540	372	419
750	1/12	544	564	388	437
750	1/18	552	573	394	444
1000	1/6	590	610	418	467
1000	1/12	629	650	445	497
1000	1/24	653	675	462	516
1000	1/36	662	684	468	523
1250	1/6	634	657	450	503
1250	1/12	686	710	486	544
1250	1/24	721	746	511	571
1250	1/36	734	760	520	582
1500	1/6	657	681	466	521
1500	1/12	719	745	510	570
1500	1/24	766	793	543	607
1500	1/36	784	812	556	622
1750	1/6	697	718	488	540
1750	1/12	770	793	539	597
1750	1/24	830	855	581	642
1750	1/36	855	880	598	661
2000	1/6	710	732	497	550
2000	1/12	789	813	552	611
2000	1/24	859	885	601	665
2000	1/36	889	916	622	688

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Conduit in Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
---------------	---------------

75°C - Copper Conductor - Concentric Strand

2	Full	116	121	63	83
2	1/2	116	121	63	83
2	1/3	116	121	63	83
2	1/6	116	122	63	83
1	Full	136	141	71	93
1	1/2	136	142	71	94
1	1/3	137	142	72	94
1	1/6	137	142	72	94
1/0	Full	154	160	81	106
1/0	1/2	155	161	81	107
1/0	1/3	155	161	81	107
1/0	1/6	156	162	82	107
2/0	Full	174	181	91	120
2/0	1/2	176	183	92	121
2/0	1/3	177	184	92	122
2/0	1/6	177	184	93	122
3/0	Full	196	204	103	135
3/0	1/2	199	207	104	137
3/0	1/3	200	208	105	138
3/0	1/6	202	210	106	139
4/0	Full	220	229	115	152
4/0	1/2	225	234	118	155
4/0	1/3	227	236	119	156
4/0	1/6	229	239	120	158

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Conduit in Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
---------------	---------------

75°C - Copper Conductor - Concentric Strand

250	1/3	247	257	129	170
250	1/6	250	260	131	172
250	1/12	251	262	132	173
250	1/18	252	263	132	174
350	1/3	292	305	153	202
350	1/6	299	312	156	206
350	1/12	303	316	158	209
350	1/18	304	317	159	210
500	1/3	353	367	179	235
500	1/6	367	381	187	245
500	1/12	376	390	191	250
500	1/18	379	393	192	252
750	1/3	406	423	206	271
750	1/6	434	452	220	290
750	1/12	454	473	231	303
750	1/18	462	481	234	308
1000	1/6	489	508	242	317
1000	1/12	523	543	259	339
1000	1/24	544	565	270	353
1000	1/36	553	573	274	358
1250	1/6	524	545	261	341
1250	1/12	569	592	283	370
1250	1/24	600	624	299	390
1250	1/36	612	636	305	398
1500	1/6	541	563	269	352
1500	1/12	595	619	296	387
1500	1/24	636	662	316	413
1500	1/36	652	679	324	424
1750	1/6	574	594	275	356
1750	1/12	636	657	305	394
1750	1/24	688	711	330	426
1750	1/36	710	734	340	440
2000	1/6	582	604	280	362
2000	1/12	650	672	311	403
2000	1/24	711	735	340	440
2000	1/36	737	762	353	457

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Free Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
---------------	---------------

90°C - Copper Conductor - Concentric Strand

2	Full	197	217	148	178
2	1/2	197	218	148	178
2	1/3	197	218	148	178
2	1/6	197	218	148	179
1	Full	226	249	170	204
1	1/2	226	250	170	204
1	1/3	227	250	170	205
1	1/6	227	251	171	205
1/0	Full	258	285	194	233
1/0	1/2	260	287	195	234
1/0	1/3	260	287	195	234
1/0	1/6	261	288	196	235
2/0	Full	295	326	221	265
2/0	1/2	298	329	223	267
2/0	1/3	299	329	224	268
2/0	1/6	300	330	224	269
3/0	Full	337	371	252	302
3/0	1/2	341	376	255	305
3/0	1/3	342	378	256	307
3/0	1/6	344	379	257	308
4/0	Full	383	422	286	342
4/0	1/2	390	429	291	348
4/0	1/3	392	432	293	350
4/0	1/6	395	435	295	353

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Free Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
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90°C - Copper Conductor - Concentric Strand

250	1/3	429	473	320	382
250	1/6	434	477	324	386
250	1/12	436	480	325	388
250	1/18	437	481	326	389
350	1/3	519	570	386	459
350	1/6	529	580	393	467
350	1/12	534	586	397	471
350	1/18	536	588	398	473
500	1/3	624	684	462	548
500	1/6	644	706	478	565
500	1/12	656	719	486	575
500	1/18	661	723	489	579
750	1/3	737	804	543	638
750	1/6	780	850	575	675
750	1/12	810	882	597	700
750	1/18	822	894	605	710
1000	1/6	882	958	647	756
1000	1/12	933	1013	684	799
1000	1/24	965	1047	707	826
1000	1/36	977	1059	716	835
1250	1/6	959	1036	700	811
1250	1/12	1027	1108	749	867
1250	1/24	1073	1156	782	904
1250	1/36	1090	1174	794	918
1500	1/6	1008	1088	735	849
1500	1/12	1092	1177	795	919
1500	1/24	1154	1242	840	969
1500	1/36	1178	1268	857	989
1750	1/6	1045	1126	760	877
1750	1/12	1142	1229	830	957
1750	1/24	1219	1311	886	1020
1750	1/36	1251	1344	908	1045
2000	1/6	1075	1157	780	899
2000	1/12	1181	1270	858	987
2000	1/24	1274	1369	924	1062
2000	1/36	1313	1410	952	1094

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Free Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
---------------	---------------

75°C - Copper Conductor - Concentric Strand

2	Full	165	185	96	134
2	1/2	165	186	96	134
2	1/3	166	186	96	134
2	1/6	166	186	96	134
1	Full	189	212	109	153
1	1/2	190	213	110	153
1	1/3	190	213	110	153
1	1/6	190	214	110	153
1/0	Full	216	243	125	174
1/0	1/2	218	244	125	175
1/0	1/3	218	245	126	175
1/0	1/6	219	245	126	175
2/0	Full	247	277	142	197
2/0	1/2	249	280	143	199
2/0	1/3	250	281	143	200
2/0	1/6	251	282	144	200
3/0	Full	281	316	161	224
3/0	1/2	285	320	163	227
3/0	1/3	287	321	164	228
3/0	1/6	288	323	164	229
4/0	Full	319	358	182	253
4/0	1/2	326	365	185	257
4/0	1/3	328	368	186	259
4/0	1/6	331	371	188	261

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Free Air - Triplexed

40°C Air Ambient

No Sun		Full Sun	
0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s

Condr Size	Neut. Size
---------------	---------------

75°C - Copper Conductor - Concentric Strand

250	1/3	359	402	203	283
250	1/6	363	406	206	286
250	1/12	365	408	207	287
250	1/18	366	409	207	288
350	1/3	433	484	243	337
350	1/6	442	493	248	343
350	1/12	447	498	250	346
350	1/18	448	500	251	348
500	1/3	518	578	288	398
500	1/6	537	598	298	412
500	1/12	548	610	304	420
500	1/18	552	614	306	423
750	1/3	609	676	333	457
750	1/6	647	717	354	485
750	1/12	674	746	368	504
750	1/18	685	757	374	512
1000	1/6	728	804	393	537
1000	1/12	773	853	418	570
1000	1/24	802	884	433	590
1000	1/36	813	895	438	598
1250	1/6	791	868	421	570
1250	1/12	850	931	452	611
1250	1/24	891	974	473	639
1250	1/36	907	991	481	650
1500	1/6	829	908	438	593
1500	1/12	901	986	477	643
1500	1/24	956	1045	505	681
1500	1/36	978	1068	516	696
1750	1/6	857	938	451	609
1750	1/12	940	1027	494	666
1750	1/24	1008	1100	529	713
1750	1/36	1036	1130	544	732
2000	1/6	880	963	461	621
2000	1/12	970	1060	508	683
2000	1/24	1051	1146	550	739
2000	1/36	1086	1183	567	762

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Unventilated Riser - Triplexed

40°C Air Ambient

No Sun Full Sun
0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
Size Size

90°C - Copper Conductor - Concentric Strand

2	Full	135	147	115	131
2	1/2	135	148	115	132
2	1/3	135	148	115	132
2	1/6	136	148	115	132
1	Full	161	174	137	153
1	1/2	162	175	138	153
1	1/3	163	175	138	154
1	1/6	163	175	139	154
1/0	Full	182	197	155	174
1/0	1/2	184	198	157	175
1/0	1/3	185	199	157	175
1/0	1/6	185	200	158	175
2/0	Full	205	222	175	197
2/0	1/2	208	225	177	199
2/0	1/3	209	226	178	199
2/0	1/6	210	227	179	200
3/0	Full	230	249	196	222
3/0	1/2	235	254	200	225
3/0	1/3	237	256	202	227
3/0	1/6	239	259	203	228
4/0	Full	256	278	218	250
4/0	1/2	264	286	225	255
4/0	1/3	267	290	228	257
4/0	1/6	270	293	230	259

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Unventilated Riser - Triplexed

40°C Air Ambient

No Sun Full Sun
0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
Size Size

90°C - Copper Conductor - Concentric Strand

250	1/3	289	314	246	280
250	1/6	294	319	251	283
250	1/12	296	322	253	285
250	1/18	297	323	254	285
350	1/3	338	369	288	332
350	1/6	348	380	297	340
350	1/12	354	386	302	344
350	1/18	356	388	304	345
500	1/3	409	442	349	395
500	1/6	430	464	367	415
500	1/12	444	478	378	424
500	1/18	448	483	382	427
750	1/3	455	493	388	441
750	1/6	494	535	422	478
750	1/12	523	566	446	506
750	1/18	534	578	456	517
1000	1/6	554	595	473	529
1000	1/12	600	644	512	572
1000	1/24	630	677	538	601
1000	1/36	642	689	548	612
1250	1/6	580	624	495	555
1250	1/12	637	686	545	610
1250	1/24	679	730	580	649
1250	1/36	695	748	594	665
1500	1/6	589	634	503	564
1500	1/12	656	706	560	628
1500	1/24	708	762	605	678
1500	1/36	730	785	623	698
1750	1/6	635	674	542	594
1750	1/12	712	755	608	666
1750	1/24	778	825	664	727
1750	1/36	806	855	688	753
2000	1/6	638	678	545	598
2000	1/12	719	764	614	673
2000	1/24	793	843	678	743
2000	1/36	826	878	706	774

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Unventilated Riser - Triplexed

40°C Air Ambient

No Sun Full Sun
0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
Size Size

75°C - Copper Conductor - Concentric Strand

2	Full	111	123	83	101
2	1/2	112	123	83	101
2	1/3	112	124	84	101
2	1/6	112	124	84	101
1	Full	133	145	98	116
1	1/2	134	146	99	117
1	1/3	135	146	99	117
1	1/6	135	146	99	117
1/0	Full	151	164	112	132
1/0	1/2	152	165	112	133
1/0	1/3	153	166	113	133
1/0	1/6	153	167	113	134
2/0	Full	169	185	126	150
2/0	1/2	172	188	128	151
2/0	1/3	173	189	128	152
2/0	1/6	174	190	129	152
3/0	Full	189	207	142	169
3/0	1/2	194	212	145	172
3/0	1/3	195	214	146	173
3/0	1/6	197	215	146	174
4/0	Full	210	231	160	190
4/0	1/2	217	238	163	194
4/0	1/3	220	241	165	196
4/0	1/6	223	244	166	197

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Unventilated Riser - Triplexed

40°C Air Ambient

No Sun Full Sun
0 Ft/s 2 Ft/s 0 Ft/s 2 Ft/s

Condr Neut.
Size Size

75°C - Copper Conductor - Concentric Strand

250	1/3	238	261	179	213
250	1/6	242	266	181	215
250	1/12	245	268	183	217
250	1/18	246	269	183	217
350	1/3	277	306	212	253
350	1/6	287	316	217	258
350	1/12	292	321	220	261
350	1/18	294	323	221	262
500	1/3	334	364	255	301
500	1/6	353	384	269	313
500	1/12	365	397	275	320
500	1/18	369	401	277	322
750	1/3	369	404	282	340
750	1/6	402	440	307	369
750	1/12	428	468	327	386
750	1/18	438	479	334	393
1000	1/6	449	487	343	405
1000	1/12	488	529	373	439
1000	1/24	515	558	394	457
1000	1/36	525	569	401	464
1250	1/6	468	509	358	424
1250	1/12	517	562	396	469
1250	1/24	553	601	424	501
1250	1/36	568	617	435	513
1500	1/6	474	517	363	430
1500	1/12	530	577	406	481
1500	1/24	574	626	440	522
1500	1/36	593	646	454	538
1750	1/6	511	548	391	450
1750	1/12	575	616	440	506
1750	1/24	631	676	483	555
1750	1/36	655	702	501	577
2000	1/6	514	551	393	453
2000	1/12	579	622	443	511
2000	1/24	642	689	492	566
2000	1/36	671	719	513	591

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

2	Full	136	131	132	124	127	118
2	1/2	137	131	132	124	127	118
2	1/3	137	131	132	124	127	118
2	1/6	137	131	132	124	127	118
1	Full	156	149	150	141	145	134
1	1/2	156	149	150	141	145	134
1	1/3	156	150	150	141	145	134
1	1/6	156	150	150	141	145	134
1/0	Full	177	170	171	160	164	152
1/0	1/2	178	170	171	161	165	152
1/0	1/3	178	170	171	161	165	153
1/0	1/6	178	170	171	161	165	153
2/0	Full	202	193	194	182	187	172
2/0	1/2	203	194	195	183	187	173
2/0	1/3	203	194	195	183	188	173
2/0	1/6	203	194	195	183	188	173
3/0	Full	230	219	220	206	212	195
3/0	1/2	231	220	221	207	213	196
3/0	1/3	232	221	222	208	213	197
3/0	1/6	232	221	222	208	214	197
4/0	Full	261	248	250	233	240	220
4/0	1/2	263	250	252	235	242	222
4/0	1/3	264	251	253	236	243	223
4/0	1/6	265	252	254	237	244	224

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

250	1/3	289	274	276	258	265	243
250	1/6	290	276	277	259	266	244
250	1/12	291	276	278	259	267	245
250	1/18	291	277	278	260	267	245
350	1/3	349	330	332	309	318	291
350	1/6	352	333	335	311	321	293
350	1/12	353	335	337	313	322	294
350	1/18	354	335	337	313	323	295
500	1/3	422	398	401	370	382	348
500	1/6	429	405	407	377	389	354
500	1/12	432	408	411	380	392	357
500	1/18	433	409	412	381	393	358
750	1/3	512	481	485	446	461	417
750	1/6	530	498	502	461	477	431
750	1/12	540	508	512	470	487	440
750	1/18	543	511	515	474	490	443
1000	1/6	624	583	588	536	556	498
1000	1/12	644	601	606	553	574	514
1000	1/24	654	611	617	563	584	524
1000	1/36	658	615	620	566	587	527
1250	1/6	691	643	648	589	612	545
1250	1/12	721	671	676	615	639	570
1250	1/24	738	687	693	630	655	584
1250	1/36	744	693	698	635	660	589
1500	1/6	739	685	691	626	651	579
1500	1/12	780	724	731	662	689	613
1500	1/24	806	748	755	685	712	634
1500	1/36	815	757	763	693	720	641
1750	1/6	803	739	746	670	700	616
1750	1/12	858	791	798	718	749	661
1750	1/24	893	824	832	749	781	689
1750	1/36	906	836	844	760	793	700
2000	1/6	833	765	772	691	723	635
2000	1/12	899	827	835	749	782	688
2000	1/24	944	869	878	788	823	725
2000	1/36	962	886	894	803	838	739

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

2	Full	121	116	117	110	113	105
2	1/2	121	116	117	110	113	105
2	1/3	121	116	117	110	113	105
2	1/6	121	116	117	110	113	105
1	Full	138	132	133	125	128	119
1	1/2	138	132	133	125	128	119
1	1/3	138	132	133	125	129	119
1	1/6	138	133	133	126	129	119
1/0	Full	157	150	151	142	146	135
1/0	1/2	157	151	151	142	146	135
1/0	1/3	158	151	152	142	146	135
1/0	1/6	158	151	152	143	146	136
2/0	Full	179	171	172	161	165	153
2/0	1/2	179	171	172	162	166	153
2/0	1/3	180	172	173	162	166	154
2/0	1/6	180	172	173	162	167	154
3/0	Full	203	194	195	182	187	173
3/0	1/2	204	195	196	184	189	174
3/0	1/3	205	195	196	184	189	174
3/0	1/6	205	196	197	184	190	175
4/0	Full	230	219	221	206	212	195
4/0	1/2	233	222	223	208	214	197
4/0	1/3	234	222	224	209	215	198
4/0	1/6	234	223	224	210	216	198

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

250	1/3	255	243	244	228	234	215
250	1/6	256	244	245	229	236	217
250	1/12	257	245	246	230	236	217
250	1/18	257	245	246	230	236	217
350	1/3	308	292	294	273	281	257
350	1/6	311	295	297	276	284	260
350	1/12	312	296	298	277	285	261
350	1/18	313	297	299	278	286	262
500	1/3	371	351	354	327	338	307
500	1/6	378	358	360	333	344	313
500	1/12	382	361	363	337	347	316
500	1/18	383	362	365	338	348	317
750	1/3	450	423	426	393	406	367
750	1/6	467	439	442	407	421	381
750	1/12	476	448	452	416	430	389
750	1/18	480	452	455	419	433	392
1000	1/6	548	512	516	472	489	439
1000	1/12	567	530	534	488	506	454
1000	1/24	577	540	544	498	516	463
1000	1/36	581	543	547	501	519	466
1250	1/6	606	564	569	517	537	480
1250	1/12	634	591	595	542	563	503
1250	1/24	651	606	611	557	578	517
1250	1/36	657	612	617	562	584	522
1500	1/6	646	600	605	548	570	508
1500	1/12	685	637	642	582	606	540
1500	1/24	709	660	665	604	628	560
1500	1/36	718	668	673	611	636	567
1750	1/6	700	645	651	585	611	539
1750	1/12	751	693	699	630	657	581
1750	1/24	784	725	731	659	687	608
1750	1/36	797	736	743	670	698	618
2000	1/6	724	666	672	602	629	554
2000	1/12	785	723	730	655	684	603
2000	1/24	828	763	770	692	723	638
2000	1/36	844	779	786	706	737	651

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

2	Full	122	112	114	101	106	93
2	1/2	122	112	114	101	106	93
2	1/3	123	112	114	101	106	93
2	1/6	123	112	114	101	106	93
1	Full	139	127	129	115	120	105
1	1/2	139	127	129	115	120	105
1	1/3	139	127	129	115	120	105
1	1/6	139	127	129	115	121	106
1/0	Full	158	143	146	129	136	119
1/0	1/2	158	144	146	130	136	119
1/0	1/3	158	144	146	130	136	119
1/0	1/6	158	144	147	130	136	119
2/0	Full	179	162	165	146	154	134
2/0	1/2	180	163	165	147	154	134
2/0	1/3	180	163	166	147	154	135
2/0	1/6	180	163	166	147	155	135
3/0	Full	203	183	186	165	173	150
3/0	1/2	204	184	188	166	174	151
3/0	1/3	205	185	188	166	175	152
3/0	1/6	205	185	188	166	175	152
4/0	Full	229	207	210	185	195	169
4/0	1/2	231	209	212	187	197	170
4/0	1/3	232	209	213	188	198	171
4/0	1/6	233	210	213	188	198	171

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

250	1/3	253	228	232	204	215	186
250	1/6	254	229	233	205	216	187
250	1/12	255	230	233	206	217	187
250	1/18	255	230	233	206	217	187
350	1/3	303	272	276	242	256	220
350	1/6	306	275	279	245	258	222
350	1/12	307	276	280	246	259	223
350	1/18	307	276	281	246	260	223
500	1/3	363	325	330	287	305	260
500	1/6	369	330	336	292	310	265
500	1/12	373	333	339	295	313	268
500	1/18	374	334	340	296	314	268
750	1/3	437	387	394	341	362	308
750	1/6	452	401	408	353	375	320
750	1/12	461	409	416	360	383	326
750	1/18	464	412	419	363	386	328
1000	1/6	524	461	469	403	430	363
1000	1/12	541	476	485	416	444	375
1000	1/24	551	484	493	424	452	382
1000	1/36	554	487	496	427	455	384
1250	1/6	574	504	513	439	468	394
1250	1/12	600	527	537	459	489	413
1250	1/24	615	540	550	471	502	423
1250	1/36	620	545	555	475	506	427
1500	1/6	610	534	545	464	494	416
1500	1/12	645	565	576	492	524	441
1500	1/24	667	585	596	509	542	457
1500	1/36	675	592	603	515	549	462
1750	1/6	652	564	576	489	522	436
1750	1/12	699	606	618	525	560	468
1750	1/24	729	632	647	548	585	489
1750	1/36	740	642	657	557	594	497
2000	1/6	673	580	593	501	536	447
2000	1/12	729	630	643	544	581	485
2000	1/24	767	663	677	574	613	512
2000	1/36	782	676	690	585	625	522

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

2	Full	108	99	101	90	94	83
2	1/2	109	100	101	90	94	83
2	1/3	109	100	101	90	94	83
2	1/6	109	100	101	90	94	83
1	Full	123	113	114	102	107	94
1	1/2	123	113	114	102	107	94
1	1/3	124	113	114	102	107	94
1	1/6	124	113	114	102	107	94
1/0	Full	140	128	129	115	121	105
1/0	1/2	140	128	130	115	121	106
1/0	1/3	140	128	130	115	121	106
1/0	1/6	140	128	130	116	121	106
2/0	Full	159	144	146	130	136	119
2/0	1/2	159	145	147	130	137	119
2/0	1/3	159	145	147	130	137	119
2/0	1/6	160	145	148	131	137	120
3/0	Full	180	163	165	146	154	133
3/0	1/2	181	164	166	147	155	134
3/0	1/3	181	164	166	147	155	135
3/0	1/6	182	165	167	148	156	135
4/0	Full	203	183	186	164	173	150
4/0	1/2	205	185	188	166	175	151
4/0	1/3	206	186	189	167	175	152
4/0	1/6	207	186	190	167	176	152

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

250	1/3	225	202	206	181	191	165
250	1/6	226	203	207	182	192	166
250	1/12	226	204	207	183	192	166
250	1/18	227	204	208	183	193	167
350	1/3	269	241	245	215	227	195
350	1/6	271	243	247	217	229	197
350	1/12	273	245	248	218	230	198
350	1/18	273	245	249	218	230	199
500	1/3	321	287	292	255	270	231
500	1/6	327	293	297	259	275	235
500	1/12	331	296	300	262	277	238
500	1/18	332	297	301	263	278	239
750	1/3	384	342	347	301	320	272
750	1/6	399	355	361	313	332	283
750	1/12	407	363	369	320	339	289
750	1/18	410	365	371	322	342	291
1000	1/6	460	406	414	356	379	320
1000	1/12	476	421	428	369	392	332
1000	1/24	486	429	437	376	400	339
1000	1/36	489	432	440	379	402	341
1250	1/6	504	443	451	387	411	348
1250	1/12	530	465	474	406	432	365
1250	1/24	545	478	487	418	444	376
1250	1/36	550	483	491	422	448	379
1500	1/6	535	468	476	407	434	365
1500	1/12	568	498	507	434	461	389
1500	1/24	589	517	526	450	479	404
1500	1/36	597	523	533	456	485	410
1750	1/6	570	494	504	428	457	382
1750	1/12	613	533	543	462	492	412
1750	1/24	642	558	569	484	516	432
1750	1/36	653	567	578	492	525	440
2000	1/6	586	507	517	438	468	391
2000	1/12	638	553	563	478	510	426
2000	1/24	674	584	596	506	539	451
2000	1/36	688	597	608	517	551	461

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

2	Full	107	93	95	82	87	73
2	1/2	107	94	95	82	87	73
2	1/3	107	94	95	82	87	73
2	1/6	107	94	95	82	87	73
1	Full	121	106	107	92	98	82
1	1/2	121	106	108	92	98	82
1	1/3	121	106	108	92	98	82
1	1/6	121	106	108	92	98	82
1/0	Full	137	119	121	103	111	92
1/0	1/2	137	119	122	104	111	93
1/0	1/3	137	120	122	104	111	93
1/0	1/6	137	120	122	104	111	93
2/0	Full	155	135	137	118	125	104
2/0	1/2	155	135	137	118	125	104
2/0	1/3	155	136	137	118	125	104
2/0	1/6	156	136	138	119	125	104
3/0	Full	174	152	154	130	140	116
3/0	1/2	175	153	155	131	141	117
3/0	1/3	176	153	155	132	141	117
3/0	1/6	176	154	156	132	142	118
4/0	Full	196	171	173	146	156	130
4/0	1/2	198	172	175	148	157	131
4/0	1/3	199	173	175	148	158	132
4/0	1/6	199	173	176	149	159	132

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

250	1/3	216	188	191	161	172	143
250	1/6	217	189	192	162	173	144
250	1/12	217	189	192	162	173	144
250	1/18	218	190	192	162	173	144
350	1/3	257	223	226	190	203	168
350	1/6	259	225	228	192	205	170
350	1/12	260	226	229	192	206	171
350	1/18	261	227	229	193	206	171
500	1/3	306	265	267	224	240	198
500	1/6	311	270	271	228	244	202
500	1/12	314	272	274	230	246	204
500	1/18	315	273	275	231	247	204
750	1/3	364	310	316	264	283	233
750	1/6	377	321	327	273	293	241
750	1/12	384	328	334	279	299	246
750	1/18	387	330	336	281	301	248
1000	1/6	432	365	372	308	331	271
1000	1/12	447	378	384	319	342	280
1000	1/24	455	384	391	325	348	286
1000	1/36	457	387	394	327	351	287
1250	1/6	473	397	410	335	359	294
1250	1/12	494	416	429	350	376	308
1250	1/24	507	426	440	360	386	316
1250	1/36	511	430	444	363	390	319
1500	1/6	501	418	427	352	378	313
1500	1/12	530	443	453	374	401	333
1500	1/24	549	460	474	387	416	345
1500	1/36	555	466	480	392	421	345
1750	1/6	525	438	447	368	395	326
1750	1/12	570	471	480	395	425	350
1750	1/24	595	492	502	412	444	366
1750	1/36	604	500	510	419	451	372
2000	1/6	539	449	458	376	404	328
2000	1/12	585	488	498	409	440	362
2000	1/24	617	515	525	432	464	382
2000	1/36	629	525	536	440	473	390

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

2	Full	95	83	85	73	77	65
2	1/2	95	83	85	73	77	65
2	1/3	95	83	85	73	77	65
2	1/6	95	83	85	73	77	65
1	Full	107	94	95	82	87	73
1	1/2	107	94	96	83	87	73
1	1/3	107	94	96	83	87	73
1	1/6	108	94	96	83	87	73
1/0	Full	121	106	108	93	98	82
1/0	1/2	122	107	108	93	99	83
1/0	1/3	122	107	108	93	99	83
1/0	1/6	122	107	108	93	99	83
2/0	Full	137	120	121	104	111	92
2/0	1/2	137	120	122	105	111	93
2/0	1/3	138	121	122	105	111	93
2/0	1/6	138	121	122	105	111	93
3/0	Full	154	135	137	117	124	103
3/0	1/2	155	136	138	118	125	104
3/0	1/3	156	136	138	118	125	104
3/0	1/6	156	136	138	119	126	105
4/0	Full	173	151	153	131	139	116
4/0	1/2	175	153	155	133	141	117
4/0	1/3	176	153	155	133	141	117
4/0	1/6	177	154	156	134	142	118

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

250	1/3	192	167	169	145	153	127
250	1/6	193	168	170	146	154	128
250	1/12	193	168	170	146	155	128
250	1/18	193	168	170	146	155	129
350	1/3	228	198	200	169	181	150
350	1/6	230	200	202	171	183	151
350	1/12	231	201	203	171	184	152
350	1/18	231	201	203	172	184	152
500	1/3	270	234	236	199	213	178
500	1/6	275	239	241	203	218	181
500	1/12	278	241	243	205	220	183
500	1/18	279	242	244	205	221	184
750	1/3	321	277	279	233	251	208
750	1/6	333	288	290	242	260	216
750	1/12	340	294	296	248	266	221
750	1/18	343	296	298	250	268	223
1000	1/6	380	323	328	273	294	240
1000	1/12	394	334	340	283	305	249
1000	1/24	401	341	347	288	311	254
1000	1/36	404	343	349	290	313	255
1250	1/6	414	350	356	295	319	262
1250	1/12	434	368	374	310	335	276
1250	1/24	446	378	385	319	345	284
1250	1/36	451	382	388	322	348	287
1500	1/6	436	368	378	310	335	271
1500	1/12	464	392	399	330	357	289
1500	1/24	481	407	414	343	371	301
1500	1/36	488	413	419	347	376	305
1750	1/6	464	384	391	322	349	282
1750	1/12	499	415	422	348	377	305
1750	1/24	523	435	443	365	396	320
1750	1/36	532	442	451	371	402	325
2000	1/6	476	393	400	328	357	287
2000	1/12	518	429	437	358	389	314
2000	1/24	548	454	462	380	412	333
2000	1/36	559	464	472	388	421	340

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

2	Full	96	82	85	71	77	64
2	1/2	96	83	85	71	77	64
2	1/3	96	83	85	71	77	64
2	1/6	96	83	85	71	77	64
1	Full	109	93	96	80	86	71
1	1/2	109	93	96	80	87	72
1	1/3	109	93	96	81	87	72
1	1/6	109	93	96	81	87	72
1/0	Full	123	105	108	90	97	80
1/0	1/2	123	105	108	91	98	80
1/0	1/3	123	105	108	91	98	81
1/0	1/6	123	105	108	91	98	81
2/0	Full	138	118	121	101	109	90
2/0	1/2	139	118	122	102	110	91
2/0	1/3	139	118	122	102	110	91
2/0	1/6	139	119	122	102	110	91
3/0	Full	156	132	136	114	122	101
3/0	1/2	157	133	137	114	123	101
3/0	1/3	157	134	137	115	123	102
3/0	1/6	157	134	138	115	124	102
4/0	Full	175	148	153	127	137	113
4/0	1/2	177	150	154	128	139	114
4/0	1/3	177	150	155	129	139	114
4/0	1/6	178	151	155	129	140	115

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

250	1/3	193	163	168	140	151	124
250	1/6	194	164	169	140	152	124
250	1/12	194	165	169	141	152	125
250	1/18	194	165	169	141	152	125
350	1/3	228	192	198	165	178	146
350	1/6	231	194	200	166	180	147
350	1/12	232	195	201	167	180	148
350	1/18	232	195	201	167	181	148
500	1/3	270	227	234	193	209	171
500	1/6	275	231	238	197	213	174
500	1/12	278	234	240	199	215	176
500	1/18	278	234	241	199	215	176
750	1/3	320	268	276	228	246	200
750	1/6	331	278	286	236	255	207
750	1/12	338	283	292	241	260	212
750	1/18	341	285	294	243	262	213
1000	1/6	377	313	324	265	287	233
1000	1/12	389	324	335	273	297	240
1000	1/24	396	330	341	278	302	246
1000	1/36	399	332	343	280	304	247
1250	1/6	410	339	351	287	311	252
1250	1/12	430	355	367	301	325	265
1250	1/24	441	365	378	308	334	272
1250	1/36	445	368	380	311	337	273
1500	1/6	433	357	369	301	326	264
1500	1/12	459	379	391	320	347	281
1500	1/24	475	393	405	331	360	292
1500	1/36	481	398	411	335	364	295
1750	1/6	454	373	385	314	340	274
1750	1/12	488	401	414	338	365	295
1750	1/24	510	420	433	352	382	309
1750	1/36	518	427	440	357	388	314
2000	1/6	466	382	395	320	348	280
2000	1/12	506	415	430	348	379	304
2000	1/24	534	438	452	367	398	322
2000	1/36	544	447	461	376	406	328

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

2	Full	86	73	76	64	68	57
2	1/2	86	74	76	64	68	57
2	1/3	86	74	76	64	68	57
2	1/6	86	74	76	64	68	57
1	Full	97	83	85	72	77	64
1	1/2	97	83	85	72	77	64
1	1/3	97	83	86	72	77	64
1	1/6	97	83	86	72	77	64
1/0	Full	109	93	96	80	87	72
1/0	1/2	109	94	96	81	87	72
1/0	1/3	109	94	96	81	87	72
1/0	1/6	110	94	97	81	87	72
2/0	Full	123	105	108	90	97	80
2/0	1/2	123	105	108	91	98	81
2/0	1/3	124	106	109	91	98	81
2/0	1/6	124	106	109	91	98	81
3/0	Full	138	118	121	101	109	90
3/0	1/2	139	119	122	102	110	91
3/0	1/3	140	119	122	102	110	91
3/0	1/6	140	119	123	102	110	91
4/0	Full	155	132	135	113	122	100
4/0	1/2	157	133	137	114	123	101
4/0	1/3	157	134	137	115	123	102
4/0	1/6	158	134	138	115	124	102

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

250	1/3	171	145	149	125	134	110
250	1/6	172	146	150	125	135	111
250	1/12	173	146	150	126	135	111
250	1/18	173	147	151	126	135	111
350	1/3	203	171	176	146	158	130
350	1/6	205	173	178	148	159	131
350	1/12	206	174	179	148	160	132
350	1/18	206	174	179	149	161	132
500	1/3	240	201	207	172	185	152
500	1/6	244	205	211	175	189	155
500	1/12	247	207	213	177	191	156
500	1/18	248	208	214	178	191	157
750	1/3	282	237	243	201	217	177
750	1/6	293	246	253	208	225	183
750	1/12	300	252	258	213	230	188
750	1/18	302	254	260	215	232	189
1000	1/6	333	277	285	234	252	206
1000	1/12	345	287	296	243	261	213
1000	1/24	352	293	302	248	267	218
1000	1/36	354	295	304	249	268	219
1250	1/6	361	299	309	252	273	221
1250	1/12	379	315	325	266	288	233
1250	1/24	390	324	334	274	296	240
1250	1/36	394	327	337	276	299	242
1500	1/6	381	314	324	264	287	232
1500	1/12	405	335	345	283	305	248
1500	1/24	420	348	358	293	316	258
1500	1/36	426	352	363	297	321	261
1750	1/6	398	328	337	274	298	240
1750	1/12	428	354	365	296	321	260
1750	1/24	449	371	383	310	337	272
1750	1/36	457	378	389	317	343	277
2000	1/6	407	334	344	280	303	245
2000	1/12	444	364	375	306	330	267
2000	1/24	470	387	398	324	351	283
2000	1/36	479	396	406	330	359	289

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - 1 Circuit - Three Cables - 7.5 in Spacing
25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

250	1/3	326	307	309	284	294	266
250	1/6	337	316	319	292	303	273
250	1/12	341	320	323	296	308	278
250	1/18	343	321	324	298	309	279
350	1/3	379	356	358	328	340	306
350	1/6	398	375	376	345	357	322
350	1/12	411	384	388	354	368	330
350	1/18	414	387	391	357	371	333
500	1/3	434	406	408	373	386	346
500	1/6	467	437	439	401	416	372
500	1/12	492	461	463	423	438	392
500	1/18	502	467	472	429	447	399
750	1/3	493	459	462	419	435	388
750	1/6	538	501	504	458	475	423
750	1/12	587	547	549	499	518	462
750	1/18	609	567	570	518	537	479
1000	1/6	586	543	546	494	513	455
1000	1/12	654	606	609	551	572	508
1000	1/24	709	658	662	598	621	551
1000	1/36	733	679	682	617	641	568
1000	Open	773	713	722	650	679	601
1250	1/6	629	581	585	526	548	484
1250	1/12	708	654	658	592	617	545
1250	1/24	780	722	725	653	680	601
1250	1/36	812	751	755	680	707	625
1250	Open	873	804	814	731	765	674
1500	1/6	653	602	606	544	567	500
1500	1/12	739	682	686	615	641	565
1500	1/24	830	766	770	691	720	635
1500	1/36	873	805	809	727	757	667
1500	Open	965	887	897	803	842	740
1750	1/6	674	620	624	559	583	512
1750	1/12	761	700	705	631	658	578
1750	1/24	868	799	803	719	750	659
1750	1/36	921	848	852	763	796	699
1750	Open	1047	958	971	868	909	798
2000	Open	1121	1025	1038	926	971	850

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - 1 Circuit - Three Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

250	1/3	286	269	270	249	257	233
250	1/6	297	279	281	258	267	242
250	1/12	302	283	286	263	272	246
250	1/18	303	285	288	265	274	248
350	1/3	329	310	311	286	296	267
350	1/6	349	328	330	303	313	283
350	1/12	362	339	342	313	325	292
350	1/18	366	342	346	317	328	295
500	1/3	374	351	352	322	333	299
500	1/6	405	380	381	349	361	324
500	1/12	431	404	406	371	384	345
500	1/18	442	412	415	379	393	352
750	1/3	423	394	397	361	374	334
750	1/6	462	431	433	394	408	365
750	1/12	508	474	476	434	449	401
750	1/18	531	495	497	452	469	419
1000	1/6	498	463	465	422	438	389
1000	1/12	561	521	523	474	492	437
1000	1/24	616	572	575	520	540	480
1000	1/36	640	594	597	540	561	498
1000	Open	685	633	641	578	603	534
1250	1/6	535	495	498	449	467	413
1250	1/12	605	560	563	507	528	467
1250	1/24	675	625	628	566	589	521
1250	1/36	707	654	658	593	617	546
1250	Open	774	713	722	649	679	600
1500	1/6	554	512	515	463	482	426
1500	1/12	628	579	583	524	546	481
1500	1/24	714	659	662	595	620	547
1500	1/36	756	698	701	631	656	579
1500	Open	854	785	796	713	746	657
1750	1/6	572	527	530	476	496	437
1750	1/12	643	593	596	535	558	491
1750	1/24	742	683	687	616	642	565
1750	1/36	793	731	735	659	687	605
1750	Open	926	850	860	769	806	708
2000	Open	991	908	919	820	860	754

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - 2 Circuits - Six Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

90°C - Aluminum Conductor - Concentric Strand

250	1/3	297	268	272	239	252	219
250	1/6	304	275	279	245	258	224
250	1/12	308	278	282	249	262	227
250	1/18	309	280	284	250	263	228
350	1/3	347	312	316	277	293	251
350	1/6	361	325	329	288	304	262
350	1/12	369	333	337	295	311	268
350	1/18	372	335	339	298	314	270
500	1/3	401	359	364	317	334	286
500	1/6	425	381	386	337	355	304
500	1/12	442	396	402	351	370	317
500	1/18	448	402	407	356	375	322
750	1/3	459	406	414	359	378	322
750	1/6	497	441	449	389	410	353
750	1/12	531	473	480	417	440	375
750	1/18	546	486	493	428	452	385
1000	1/6	546	481	490	424	448	378
1000	1/12	597	527	536	464	490	415
1000	1/24	634	560	571	494	521	442
1000	1/36	649	574	584	506	533	453
1000	Open	681	603	614	532	562	477
1250	1/6	590	518	527	450	481	404
1250	1/12	652	574	582	504	532	448
1250	1/24	701	617	628	543	574	484
1250	1/36	721	635	647	559	591	499
1250	Open	767	677	689	596	629	533
1500	1/6	615	539	548	467	499	418
1500	1/12	687	603	613	523	559	469
1500	1/24	751	660	671	579	612	515
1500	1/36	778	683	696	601	635	535
1500	Open	844	744	756	653	690	582
1750	1/6	635	554	563	479	514	428
1750	1/12	713	622	634	540	578	483
1750	1/24	791	693	705	601	642	538
1750	1/36	825	726	736	628	671	563
1750	Open	915	801	816	704	744	626
2000	Open	978	857	870	743	793	666

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable
in Underground Duct Bank - 2 Circuits - Six Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Neut. Size	60 Rho		90 Rho		120 Rho	
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF

75°C - Aluminum Conductor - Concentric Strand

250	1/3	261	236	239	211	222	193
250	1/6	269	243	246	217	228	199
250	1/12	273	247	250	221	232	202
250	1/18	274	248	252	222	234	203
350	1/3	304	273	277	242	256	220
350	1/6	317	285	290	254	268	232
350	1/12	326	293	298	261	275	239
350	1/18	329	296	301	264	278	241
500	1/3	348	312	315	275	290	249
500	1/6	371	333	337	295	311	266
500	1/12	389	349	353	309	326	280
500	1/18	396	355	360	314	332	285
750	1/3	396	352	357	310	327	278
750	1/6	430	383	388	337	356	306
750	1/12	464	413	419	364	384	328
750	1/18	478	427	432	376	397	339
1000	1/6	469	414	420	364	384	329
1000	1/12	517	457	464	402	425	364
1000	1/24	555	491	499	432	456	388
1000	1/36	570	505	513	445	469	399
1000	Open	605	536	544	472	499	424
1250	1/6	505	445	451	390	412	347
1250	1/12	562	496	503	435	460	388
1250	1/24	611	539	548	474	500	424
1250	1/36	632	558	567	491	518	439
1250	Open	681	603	611	530	559	475
1500	1/6	525	460	467	399	426	358
1500	1/12	589	518	525	454	478	403
1500	1/24	652	574	582	503	530	448
1500	1/36	680	598	607	525	554	468
1500	Open	749	660	671	580	612	518
1750	1/6	541	473	480	410	436	366
1750	1/12	609	533	541	462	492	414
1750	1/24	683	599	608	525	553	466
1750	1/36	718	632	640	553	582	491
1750	Open	810	711	723	625	659	557
2000	Open	864	758	770	665	703	591

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	Neut. Size	----- 60 Rho----			----- 90 Rho----			-----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
250	1/3	362	73	65.7	310	77	48.0	275	80	38.0
250	1/6	364	73	65.6	311	77	48.0	276	80	37.8
250	1/12	365	73	65.6	312	77	48.0	277	80	37.8
250	1/18	365	73	65.6	312	77	48.0	277	80	37.8
350	1/3	434	74	62.8	370	78	45.6	327	81	35.9
350	1/6	437	74	62.6	373	78	45.6	330	81	35.7
350	1/12	439	74	62.5	374	78	45.4	332	81	35.7
350	1/18	440	74	62.5	375	78	45.4	332	81	35.7
500	1/3	521	75	60.7	442	80	43.7	391	82	34.2
500	1/6	529	75	60.4	450	79	43.6	397	82	34.1
500	1/12	534	75	60.1	453	79	43.6	401	82	34.1
500	1/18	535	75	60.1	455	79	43.4	402	82	34.1
750	1/3	624	76	55.4	529	80	39.8	466	82	31.0
750	1/6	645	76	54.8	546	80	39.5	483	82	30.9
750	1/12	656	75	54.4	557	79	39.3	492	82	30.8
750	1/18	660	75	54.4	561	79	39.3	495	82	30.8
1000	1/6	737	77	52.3	623	81	37.4	549	83	29.0
1000	1/12	760	77	51.8	642	80	37.1	566	83	28.9
1000	1/24	772	76	51.6	653	80	37.0	576	82	28.9
1000	1/36	776	76	51.5	657	80	37.0	580	82	28.8
1250	1/6	805	77	47.1	681	80	33.8	600	83	26.3
1250	1/12	838	76	46.4	710	80	33.5	627	82	26.1
1250	1/24	858	76	46.1	727	80	33.3	643	82	26.0
1250	1/36	865	75	46.0	734	79	33.1	648	82	26.0
1500	1/6	858	78	46.3	724	81	33.0	637	83	25.6
1500	1/12	905	77	45.5	765	81	32.6	674	83	25.4
1500	1/24	934	76	45.1	790	80	32.4	697	82	25.3
1500	1/36	944	76	44.9	799	80	32.3	705	82	25.2
1750	1/6	899	78	45.5	756	82	32.3	665	84	25.0
1750	1/12	960	78	44.8	809	81	31.9	712	83	24.7
1750	1/24	998	77	44.2	843	81	31.6	743	83	24.6
1750	1/36	1013	77	44.0	856	81	31.5	754	83	24.5
2000	1/6	929	79	44.9	780	82	31.7	685	84	24.5
2000	1/12	1003	78	44.0	844	82	31.3	742	84	24.2
2000	1/24	1053	78	43.5	888	81	30.9	781	83	24.0
2000	1/36	1071	77	43.3	904	81	30.9	796	83	24.0

5 to 15 kV Shielded Single Conductor Extruded Dielectric Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	Neut. Size	---- 60 Rho----			---- 90 Rho----			----120 Rho----		
		Amps	°C	w/ft ²	Amps	°C	w/ft ²	Amps	°C	w/ft ²
		Interface								
		Temp Flux								
		100% LF								
2	Full	162	61	59.3	141	66	44.6	126	69	35.7
2	1/2	163	61	59.3	141	66	44.6	126	69	35.7
2	1/3	163	61	59.3	141	66	44.6	126	69	35.7
2	1/6	163	61	59.3	141	66	44.6	126	69	35.7
1	Full	185	62	58.8	160	67	44.1	143	69	35.3
1	1/2	185	62	58.8	160	67	44.1	143	69	35.3
1	1/3	185	62	58.8	160	67	44.1	143	69	35.3
1	1/6	185	62	58.8	160	67	44.1	143	69	35.3
1/0	Full	210	63	58.4	181	67	43.5	162	70	34.6
1/0	1/2	211	63	58.4	182	67	43.5	162	70	34.6
1/0	1/3	211	63	58.4	182	67	43.5	162	70	34.6
1/0	1/6	211	63	58.2	182	67	43.3	162	70	34.6
2/0	Full	239	64	57.8	205	68	42.9	183	70	34.1
2/0	1/2	240	64	57.8	206	68	42.9	184	70	33.9
2/0	1/3	240	64	57.8	206	68	42.7	184	70	33.9
2/0	1/6	240	64	57.6	207	68	42.7	184	70	33.9
3/0	Full	271	64	57.1	232	69	42.1	206	71	33.3
3/0	1/2	272	64	56.9	234	68	42.1	208	71	33.3
3/0	1/3	273	64	56.9	234	68	42.1	208	71	33.3
3/0	1/6	273	64	56.9	235	68	41.9	209	71	33.3
4/0	Full	306	65	56.4	262	69	41.3	232	72	32.5
4/0	1/2	309	65	56.1	264	69	41.1	235	71	32.5
4/0	1/3	310	65	56.1	265	69	41.1	236	71	32.5
4/0	1/6	311	65	55.9	266	69	41.1	236	71	32.5