



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

L.1

**CONSTRUCTION, INSTALLATION AND
PROTECTION OF CABLES AND OTHER ELEMENTS
OF OUTSIDE PLANTS**

**CONSTRUCTION, INSTALLATION AND
PROTECTION OF TELECOMMUNICATION
CABLES IN PUBLIC NETWORKS**

ITU-T Recommendation L.1

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation L.1 was published in Volume IX of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).

2 In this Recommendation, the expression “Administration” is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Recommendation L.1

CONSTRUCTION, INSTALLATION AND PROTECTION OF TELECOMMUNICATION CABLES IN PUBLIC NETWORKS

(Melbourne, 1988)

The CCITT,

considering

- (a) that the location of faults on underground cables and the repair of these faults can entail great expense,
- (b) that the interruptions to service likely to be caused by the occurrence of these faults must be avoided with the greatest care,
- (c) that the occurrence of these faults, other than by outside factors, is mainly determined by the construction, installation and protective measures applied,

unanimously recommends

that, when selecting and installing cables, Administrations will find it in their interest to comply with the CCITT manual *Outside plant technologies for public networks*.

This manual replaces the CCITT *Recommendations concerning the construction, installation and protection of telecommunication cables in public networks*, ITU, Geneva, revision 1974, amendments and additions 1977 and 1986. The manual consists of the following five parts:

- Part I: Basic information about the construction of telecommunication cables
- Part II: Installations and assemblage of telecommunication cables and their supporting structure
- Part III: Pressurization of telecommunication cables
- Part IV-A: Protection of telecommunication cables and associated hardware against corrosion
- Part IV-B: Protection of telecommunication cables supports and underground structure against other hazards
- Part V: Fault location and repair of telecommunication cables.