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SERIES L: CONSTRUCTION, INSTALLATION AND
PROTECTION OF CABLES AND OTHER ELEMENTS OF
OUTSIDE PLANT

Copper loop requirements for various technologies including indoor and structured cabling

Recommendation ITU-T L.76



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Copper loop requirements for various technologies including indoor and structured cabling

Summary

Old indoor installations, designed for voice transmission, are responsible for intermittent faults and performance degradation, in terms of throughput, when they are used for broadband applications. Very often, the use of older cabling becomes impractical for today's needs. Structured cabling is a solution that allows reliable broadband transmission and accommodates the increasingly varied information and communication services, such as super-high speed internet, video-communication, voice over Internet protocol (VoIP), Video on Demand (VoD), Internet protocol television (IPTV), security, telemetry, etc.

General customer premises and residential buildings cabling architectures are introduced. Pertinent electrical parameters and requirements are referred to in [ISO/IEC 11801] and [ITU-T L.75].

The purposes of Recommendation ITU-T L.76 are:

- to present general indoor network architectures;
- to recommend structured cabling as a solution for indoor network implementations; and
- to define the requirements to indoor copper networks.

Source

Recommendation ITU-T L.76 was approved on 29 May 2008 by ITU-T Study Group 6 (2005-2008) under Recommendation ITU-T A.8 procedure.

Keywords

General customer premises and residential buildings cabling, indoor copper cabling requirements, structured cabling.

FOREWORD

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