



Information technology — Generic cabling for customer premises

AMENDMENT 1

Technologies de l'information — Câblage générique des locaux du client

AMENDEMENT 1

ICS 35.200

Descriptors: data processing, information interchange, telecommunications, buildings, premises, communication cables, cabling, specifications, performance, verification.

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CHANGES to ISO/IEC 11801 1st edition

DAM 1.1 to the ISO/IEC 11801

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Subclause 5.5 Telecommunications outlets

Replace 3rd paragraph with:

A minimum of one TO served by 100 Ω or 120 Ω cable shall be provided at each work area¹⁾ (100 Ω preferred). Other TOs shall be supported by either balanced cable or by fibre optical cable²⁾. In the horizontal cabling, at least one TO shall be configured as specified in item b of 6.1.3 (balanced or optical fibre cable) or at least one TO shall be served by either class D or optical class, as identified in 7.1.1. When a TO is supported by balanced cable, 2 pairs³⁾ or 4 pairs shall be provided at each TO; all pairs shall be terminated. If less than four pairs are provided, the outlet shall be clearly marked⁴⁾. Emerging balanced cable applications may be limited by differential delay of pairs that serve a single telecommunications outlet. See clause 9 for TO specifications that correspond to each of the cables listed above.

replace footnotes with:

- 1) When the greatest flexibility is desired, four pair or two quad cable should be used (see Annex G).
- 2) When the largest bandwidth is desired the use of OF is recommended.
- 3) Installation of 2 pairs not capable of forming class D links may limit the applications supported.
- 4) See annex G for number and performance of pairs needed for different applications and their pin assignment.

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Subclause 7.2.1 Characteristic impedance

Replace first paragraph with:

The nominal characteristic impedance of a link shall be 100 Ω , 120 Ω , or 150 Ω at frequencies between 1 MHz and the highest specified frequency for the cabling class.

Delete second paragraph:

~~The tolerance of the characteristic impedance in a given link shall not exceed the chosen nominal impedance by more than $\pm 15\Omega$ (f.f.s.) from 1 MHz up to the highest specified frequency for that class.~~

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Subclause 7.2.1

Replace second paragraph with:

The characteristic impedance of cabling links should be achieved by suitable design, and the appropriate choice of cables and connecting hardware.

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Subclause 7.2.2 Return loss

Replace first paragraph with:
