ISO/IEC 11801
(second edition – 2002)

Information technology –
Generic cabling for customer premises

Amendment 2 (2010)

CORRIGENDUM 1

Corrigendum 1 applies to Amendment 2 (2010) of ISO/IEC 11801:2002.

2 Normative references

Replace the existing references by the following:

IEC 60603-7-2:2010, *Connectors for electronic equipment – Part 7-2: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 100 MHz*

IEC 60603-7-3:2010, *Connectors for electronic equipment – Part 7-3: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 100 MHz*

IEC 60603-7-4:2010, *Connectors for electronic equipment – Part 7-4: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz*

IEC 60603-7-5:2010, *Connectors for electronic equipment – Part 7-5: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz*

IEC 60603-7-41:2010, *Connectors for electronic equipment – Part 7-41: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz*

IEC 60603-7-51:2010, *Connectors for electronic equipment – Part 7-51: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz*

IEC 61156-2:2010, *Multicore and symmetrical pair/quad cables for digital communications – Part 2: Symmetrical pair/quad cables with transmission characteristics up to 100 MHz – Horizontal floor cable – Sectional specification*

IEC 61156-6:2010, *Multicore and symmetrical pair/quad cables for digital communications – Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz – Work area wiring – Sectional specification*

Insert the following reference:

ISO/IEC 14763-1, *Information technology – Implementation and operation of customer premises cabling – Part 1: Administration*

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5.7.5.1 General requirements

Replace the second sentence as follows:

Until ISO/IEC 14763-2 is published, relevant information can be found in ISO/IEC TR 14763-2.

6.4.9 Current carrying capacity

Replace the existing first paragraph by the following paragraph and Table:

The minimum current carrying capacity for channels of Classes D, E, EA, F and FA shall be in accordance with Table 84. This shall be achieved by an appropriate design.

Table 84 – Current carrying capacity for channel

Minimum current carrying capacity A d.c.	**Operating temperature** (t) °C
0,300	$t \leq (T_R - 10)$
0,175	$(T_R - 10) < t \leq T_R$
Where T_R is the lowest maximum operating temperature specified for the components comprising the cabling subsystem.	

7.2.3.2 Dimensions

Replace the existing Table 33 by the following:

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Table 33 – Backbone channel length equations

	Implementation equations [a]							
Component Category	**Class A**	**Class B**	**Class C**	**Class D**	**Class E**	**Class E_A**	**Class F**	**Class F_A**
5	2 000	$B = 250 - FX$	$B = 170 - FX$	$B = 105 - FX$	–	–	–	–
6	2 000	$B = 260 - FX$	$B = 185 - FX$	$B = 111 - FX$	$B = 105 - 3^b - FX$	–	–	–
6_A	2 000	$B = 260 - FX$	$B = 189 - FX$	$B = 114 - FX$	$B = 108 - 3^b - FX$	$B = 105 - 3^b - FX$	–	–
7	2 000	$B = 260 - FX$	$B = 190 - FX$	$B = 115 - FX$	$B = 109 - 3^b - FX$	$B = 107 - 3^b - FX$	$B = 105 - 3^b - FX$	–
7_A	2 000	$B = 260 - FX$	$B = 192 - FX$	$B = 117 - FX$	$B = 111 - 3^b - FX$	$B = 110 - 3^b - FX$	$B = 105 - 3^b - FX$	$B = 110 - 3^b - FX$

B the maximum length of the backbone cable (m)

F combined length of patch cords/jumpers and equipment cords (m)

X the ratio of cord cable insertion loss (dB/m) to backbone cable insertion loss (dB/m)

NOTE 1 Where channels contain a different number of connections than in the model shown in Figure 13, the fixed cable length is reduced (where more connections exist) or increased (where fewer connections exist) by 2 m per connection for Category 5 cables and 1 m per connection for Category 6, 6_A, 7 and 7_A cables. Additionally, the *NEXT*, return loss (*RL*) and *ACR-F* performance should be verified.

NOTE 2 For operating temperatures above 20 °C, *B* should be reduced by 0,2 % per °C for screened cables; 0,4 % per °C (20 °C to 40 °C) and 0,6 % per °C (>40 °C to 60 °C) for unscreened cables.

[a] Applications limited by propagation delay or delay skew may not be supported if channel lengths exceed 100 m.

[b] This length reduction is to provide an allocated margin to accommodate insertion loss deviation.

9.2.2.6 Current carrying capacity

Replace the existing first paragraph and table by the following:

The minimum d.c. current carrying capacity shall be as indicated in Table 64.

Table 64 – Current carrying capacity for channel

Minimum current A d.c.	**Operating temperature** (t) °C
0,300	$t \leq (T_R - 10)$
0,175	$(T_R - 10) < t \leq T_R$
Where T_R is the lowest maximum operating temperature specified for the components comprising the cabling subsystem.	

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