STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS ISO/IEC 24702:2007
Telecommunications installations—Generic cabling—Industrial premises

REVISED TEXT

The 2007 edition of AS/NZS ISO/IEC 24702 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Preface, Clauses 6.2.2, 6.3.3.1, 7.3.1, 8.4.1, 8.4.2, 8.4.3 and 9.5.1, Tables 2, 9, 10, 12 and 14, Annexes E and F, and the Bibliography.

This Amendment is identical with and has been reproduced from ISO/IEC 24702:2006 Amd 1 (2009).

Published on 25 January 2012.
Approved for publication in New Zealand on behalf of the Standards Council of New Zealand on 19 December 2011.

Preface

AMDT No. 1 JAN 2012

Add the following to the end of the second paragraph:

and Amendment 1 (2009), which is added at the end of the source text.

ISO/IEC 24702:2006 Amd 1 (2009)

AMDT No. 1 JAN 2012

Add the following ISO/IEC Amendment at the end of the source text:

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AMENDMENT 1

6.2.2 Environmental classification

Replace the second paragraph of this subclause by the following new text:

Certain environments (e.g. nuclear, chemical, fire, explosive, damage risk from animals, salt mist) demand additional requirements beyond those of this clause. Further details on specific environments are given in ISO/IEC TR 29106.

Table 2 – Details of environmental classification

Replace the row starting with EFT/B (comms) by the following new row:

EFT/B (comms)	500 V	500 V	1 000 V

6.3.3.1 General

Replace the second and third paragraphs including all the bullet points by the following:

This International Standard uses the optical fibre cabling channel Classes of clause 8 of ISO/IEC 11801 (2002), that is:

- Class OF-300 channels support applications listed in Annex E using cabled all-silica optical fibres in accordance with 8.4.1 to a minimum of 300 m;
- Class OF-500 channels support applications listed in Annex E using cabled all-silica optical fibres in accordance with 8.4.1 to a minimum of 500 m;
- Class OF-2000 channels support applications listed in Annex E using cabled all-silica optical fibres in accordance with 8.4.1 to a minimum of 2 000 m.

In addition, this standard specifies the following Classes for optical fibre cabling channels:

- Class OF-25 channels support applications listed in Annex E using cabled plastic optical fibre in accordance with 8.4.2 to a minimum of 25 m;
- Class OF-50 channels support applications listed in Annex E using cabled plastic optical fibre in accordance with 8.4.2 to a minimum of 50 m;
- Class OF-100 channels support applications listed in Annex E using cabled plastic or plastic clad silica optical fibres in accordance with 8.4.2 and 8.4.3 respectively to a minimum of 100 m;
- Class OF-200 channels support applications listed in Annex E using cabled plastic or plastic clad silica optical fibres in accordance with 8.4.2 and 8.4.3 respectively to a minimum of 200 m;
- Class OF-5000 channels support applications listed in Annex E using cabled all-silica optical fibres in accordance with 8.4.1 to a minimum of 5 000 m;

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- Class OF-10000 channels support applications listed in Annex E using cabled all-silica optical fibres in accordance with 8.4.1 to a minimum of 10 000 m.

Table 9 Channel attenuation of optical fibre cabling channels

Replace Table 9 by the following new Table 9:

Class	Cabled optical fibre Category	Maximum channel attenuation dB				
			650 nm	850 nm	1 300 nm	1 550 nm
OF-25	OP1 (see Note 1)		7,5	-	-	-
OF-50	OP1 (see Note 1)		12,0	-	-	-
OF-100	OP2		13,0	6,3	6,3	-
	OH1		-	4,0	-	-
OF-200	OP2		23,0	9,6	9,6	-
	OH1		-	5,0	-	-
OF-300	OM1, OM2, OM3, OS1, OS2	As per ISO 11801				
OF-500	OM1, OM2, OM3, OS1, OS2					
OF-2000	OM1, OM2, OM3, OS1, OS2					
OF-5000	OS2		-	-	4,0 (see Note 2)	4,0
OF-10000	OS2		-	-	6,0 (see Note 2)	6,0
NOTE 1 The modal conditions under which the measurement is made are ffs. NOTE 2 For singlemode channels the nominal wavelength is 1 310 nm.						

7.3.1 General

Replace the two paragraphs of this subclause by the following new paragraphs:

Optical fibre channels shall be comprised of components that comply with Clauses 8, 9 and 10. These clauses specify physical construction (core/cladding diameter and numerical aperture) and transmission performance. Within the reference implementations of this clause, the cabled optical fibres used in each cabling channel shall have the same specification.

When more than one physical construction or cabled optical fibre Category is used in a cabling subsystem the cabling shall be marked to allow each cabling type to be clearly identified.

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