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Irish Standard
I.S. EN 61753-042-2:2014

Fibre optic interconnecting devices and passive components - Performance standard - Part 042-2: Plug-pigtail-style and plug-receptacle-style OTDR reflecting devices for category C - Controlled environments

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61753-042-2

October 2014

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English Version

Fibre optic interconnecting devices and passive components - Performance standard - Part 042-2: Plug-pigtail-style and plug-receptacle-style OTDR reflecting devices for category C - Controlled environments (IEC 61753-042-2:2014)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Norme de performance - Partie 042-2: Dispositifs de réflexion pour OTDR de modèle à fiche-fibre amorce et modèle à fiche-embase pour catégorie C - Environnements contrôlés
(CEI 61753-042-2:2014)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Betriebsverhalten - Teil 042-2: OTDR-Reflektorbauteile in Steckverbinder-Pigtail- und Steckverbinder-Buchse-Bauform für die Kategorie C - Kontrollierte Umgebung
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Foreword

The text of document 86B/3709/CDV, future edition 1 of IEC 61753-042-2, prepared by SC 86B "Fibre optic interconnecting devices and passive components" of IEC/TC 86 “Fibre optics” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61753-042-2:2014.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2015-06-25
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IEC 61753-1:2007	NOTE	Harmonised as EN 61753-1:2007

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

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Publication	Year	Title	EN/HD	Year
IEC 60793-2-50	-	Optical fibres Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	-
IEC 61300	series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures	EN 61300	series
IEC 61300-1		Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 1: General and guidance	EN 61300-1	
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IEC 61300-2-19	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 2-19: Tests - Damp heat (steady state)	EN 61300-2-19	-
IEC 61300-2-22	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 2-22: Tests - Change of temperature	EN 61300-2-22	-
IEC 61300-2-42	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 2-42: Tests - Static side load for strain relief	EN 61300-2-42	-
IEC 61300-2-44	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 2-44: Tests - Flexing of the strain relief of fibre optic devices	EN 61300-2-44	-
IEC 61300-3-2	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 3-2: Examinations and measurements - Polarization dependent loss in a single-mode fibre optic device	EN 61300-3-2	-
IEC 61300-3-7 (mod)	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 3-7: Examinations and measurements - Wavelength dependence of attenuation and return loss of single mode components	EN 61300-3-7	-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fibre optic interconnecting devices and passive components – Performance standard –
Part 042-2: Plug-pigtail-style and plug-receptacle-style OTDR reflecting devices for category C – Controlled environments

Dispositifs d'interconnexion et composants passifs à fibres optiques – Norme de performance –
Partie 042-2: Dispositifs de réflexion pour OTDR de modèle à fiche-fibre amorce et modèle à fiche-embase pour catégorie C – Environnements contrôlés

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IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – PERFORMANCE STANDARD –

Part 042-2: Plug-pigtail-style and plug-receptacle-style OTDR reflecting devices for category C – Controlled environments

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The text of this standard is based on the following documents:

CDV	Report on voting
86B/3709/CDV	86B/3785/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – PERFORMANCE STANDARD –

Part 042-2: Plug-pigtail-style and plug-receptacle-style OTDR reflecting devices for category C – Controlled environments

1 Scope

This part of IEC 61753 contains the minimum initial performance, test and measurement requirements and severities which plug-pigtail style and plug-receptacle style OTDR reflecting devices need to satisfy in order to be categorized as meeting the requirements of category C-Controlled environments, as defined in Annex A of IEC 61753-1:2007 [1][1]. They are for out-of-band OTDR testing of an optical fibre system.

Annex B of this standard provides information concerning this device.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60793-2-50, *Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres*

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IEC 61300-2-14, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-14: Tests – High optical power*

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