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NSAI Standards

Irish Standard
I.S. EN 61753-086-6:2011

Fibre optic interconnecting devices and passive components - Performance standard -- Part 086-6: Non-connectorized single-mode bidirectional 1 490 / 1 550 nm downstream and 1 310 nm upstream WWDM devices for category O - Uncontrolled environment (IEC 61753 -086-6:2010 (EQV))

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I.S. EN 61753-086-6:2011

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61753-086-6

March 2011

ICS 33.180.20

English version

Fibre optic interconnecting devices and passive components - Performance standard - Part 086-6: Non-connectorized single-mode bidirectional 1 490 / 1 550 nm downstream and 1 310 nm upstream WWDM devices for category O - Uncontrolled environment

(IEC 61753-086-6:2010)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Norme de performance - Partie 086-6: Dispositifs WWDM unimodaux non connectorisés bidirectionnels 1 490 / 1 550 nm en voie descendante et 1 310 nm en voie montante pour la catégorie O - Environnement non contrôlé (CEI 61753-086-6:2010)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Betriebsverhalten - Teil 086-6: Nicht mit Steckeverbindern versehene bidirektionale 1 490/1 550-nm-downstream-1 310-nm-upstream-Einmoden-WWDM-Bauteile für die Kategorie O - Unkontrollierte Umgebung (IEC 61753-086-6:2010)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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Ref. No. EN 61753-086-6:2011 E

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Foreword

The text of document 86B/3094/FDIS, future edition 1 of IEC 61753-086-6, 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 was approved by CENELEC as EN 61753-086-6 on 2010-12-27.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2011-09-27
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2013-12-27

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61753-086-6:2010 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62074-1 NOTE Harmonized as EN 62074-1.

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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

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

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 61300-2-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-1: Tests - Vibration (sinusoidal)	EN 61300-2-1	-
IEC 61300-2-4	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests - Fibre/cable retention	EN 61300-2-4	-
IEC 61300-2-5	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion	EN 61300-2-5	-
IEC 61300-2-9	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock	EN 61300-2-9	-
IEC 61300-2-14	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - Optical power handling and damage threshold characterization	EN 61300-2-14	-
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 connectors	EN 61300-2-42	-

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Publication	Year	Title	EN/HD	Year
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 61300-2-48	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-48: Tests - Temperature-humidity cycling	EN 61300-2-48	-
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 61300-3-6	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-6: Examinations and measurements - Return loss	EN 61300-3-6	-
IEC 61300-3-7	-	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	-
IEC 61300-3-20	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-20: Examinations and measurements - Directivity of fibre optic branching devices	EN 61300-3-20	-
IEC 61753-1	2007	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards	EN 61753-1	2007

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CONTENTS

FOREWORD 3
1 Scope 5
2 Normative references 5
3 Test 6
4 Test report 6
5 Performance requirements 6
5.1 Reference components 6
5.2 Dimensions 6
5.3 Sample size, sequencing and grouping 7
5.4 Test details and requirements 7
Annex A (normative) Sample size, sequencing and grouping 11
Annex B (informative) General information for 1 490 / 1 550 nm downstream and 1 310 nm upstream PON WWDM device 12
Bibliography 14

Figure B.1 – Example of 1 490 / 1 550 nm downstream and 1 310 nm upstream WWDM at central office and customer side – Separate video detection inside the ONU 12
Figure B.2 – Example of 1 490 / 1 550 nm downstream and 1 310 nm upstream WWDM at central office side – Integrated video detection inside the ONU 13

Table 1 – Test details and requirements 7
Table A.1 – Sample size and sequencing of tests 11

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – PERFORMANCE STANDARD –

Part 086-6: Non-connectorized single-mode bidirectional 1 490 / 1 550 nm downstream and 1 310 nm upstream WWDM devices for category O – Uncontrolled environment

FOREWORD

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International Standard IEC 61753-086-6 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

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

FDIS	Report on voting
86B/3094/FDIS	86B/3132/RVD

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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This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The list of all parts in the IEC 61753 series, under the general title *Fibre optic interconnecting devices and passive components performance standards*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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