



National Standards Authority of Ireland  
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

**I.S. EN 61753-062-6:2008**

ICS 33.180.20

**FIBRE OPTIC INTERCONNECTING  
DEVICES AND PASSIVE COMPONENTS  
PERFORMANCE STANDARD -- PART 062-6:  
NON-CONNECTORIZED SINGLE-MODE  
FIBRE OPTIC PIGTAILED ISOLATORS FOR  
CATEGORY O - UNCONTROLLED  
ENVIRONMENT AND SEQUENTIAL TEST  
(IEC 61753-062-6:2007 (EQV))**

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**Fibre optic interconnecting devices and passive components  
performance standard -  
Part 062-6: Non-connectorized single-mode fibre optic pigtailed isolators  
for category O -  
Uncontrolled environment and sequential test  
(IEC 61753-062-6:2007)**

Norme de qualité de fonctionnement  
des dispositifs d'interconnexion  
et composants passifs à fibres optiques -  
Partie 062-6: Isolateurs à fibres optiques  
monomodales à fibre amorce  
non connectorisés pour la catégorie O -  
Environnement non contrôlé  
et essai séquentiel  
(CEI 61753-062-6:2007)

Lichtwellenleiter -  
Verbindungselemente  
und passive Bauteile -  
Betriebsverhalten -  
Teil 062-6: Nicht mit Steckern versehene  
Einmoden-LWL-Isolatoren  
für die Kategorie O -  
Freiluftanlagen und Prüffolge  
(IEC 61753-062-6:2007)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

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### Foreword

The text of document 86B/2529/FDIS, future edition 1 of IEC 61753-062-6, 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 61753-062-6 on 2007-12-01.

The following dates were fixed:

- |  |       |            |
|--|-------|------------|
| – latest date by which the EN has to be implemented<br>at national level by publication of an identical<br>national standard or by endorsement | (dop) | 2008-09-01 |
| – latest date by which the national standards conflicting<br>with the EN have to be withdrawn  | (dow) | 2010-12-01 |

Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 61753-062-6:2007 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 61753-021-6	NOTE	Harmonized as EN 61753-021-6:2008 (not modified).
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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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-1-1	– <sup>1)</sup>	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance	EN 60793-1-1	2003 <sup>2)</sup>
IEC 61300-2-1	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-1: Tests - Vibration (sinusoidal)	EN 61300-2-1	2003 <sup>2)</sup>
IEC 61300-2-4	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests - Fibre/cable retention	EN 61300-2-4	1997 <sup>2)</sup>
IEC 61300-2-5	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion/twist	EN 61300-2-5	2002 <sup>2)</sup>
IEC 61300-2-9	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock	EN 61300-2-9	1997 <sup>2)</sup>
IEC 61300-2-14	– <sup>1)</sup>	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 + corr. November	2006 <sup>2)</sup> 2006
IEC 61300-2-19	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-19: Tests - Damp heat (steady state)	EN 61300-2-19	2005 <sup>2)</sup>

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-2-22	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-22: Tests - Change of temperature	EN 61300-2-22	2007 <sup>2)</sup>
IEC 61300-2-42	– <sup>1)</sup>	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	2005 <sup>2)</sup>
IEC 61300-2-44	– <sup>1)</sup>	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	2005 <sup>2)</sup>
IEC 61300-2-48	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-48: Tests - Temperature-humidity cycling	EN 61300-2-48	2003 <sup>2)</sup>
IEC 61300-3-2	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic tests and measurement procedures - Part 3-2: Examinations and measurements - Polarization dependence of attenuation in a single-mode fibre optic device	EN 61300-3-2	1999 <sup>2)</sup>
IEC 61300-3-7	– <sup>1)</sup>	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	EN 61300-3-7	2001 <sup>2)</sup>
IEC 61300-3-32	– <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-32: Examinations and measurements - Polarisation mode dispersion measurement for passive optical components	EN 61300-3-32	2006 <sup>2)</sup>

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