
GHUbXUFX`UgHbcgh`bUdfUj`nUa YXgYVc`bc`dcj Yncj Ub`Y`cdHj b]`j`U_Yb`]b`dUg]j bY
_ca dcbYbhY`\$&%*`"XY. `9bcfcXb]`cdHj b]`_cbY`hcf`]fUnfYXU6`#&nU`UhY[cf]`c`C`!
BYbUXncfcj Ubc`c`_Y`f197`*`%+)`!\$&%*`.&\$+\$L

Fibre optic interconnecting devices and passive components performance standard -
Part 021-6: Grade B/2 single-mode fibre optic connectors for category O - Uncontrolled
environment (IEC 61753-021-6:2007)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Betriebsverhalten - Teil
021-6: Lichtwellenleiter-Steckverbinder der Stufe B/2 für Einmodenfasern für die
Kategorie O - Unkontrollierte Umgebung (IEC 61753-021-6:2007)

Norme de qualité de fonctionnement des dispositifs d'interconnexion et composants
passifs a fibres optiques - Partie 021-6: Connecteurs a fibres optiques unimodales de
classe B/2 pour la catégorie O - Environnement non contrôlé (CEI 61753-021-6:2007)

Ta slovenski standard je istoveten z: EN 61753-021-6:2008

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**Fibre optic interconnecting devices and passive components
performance standard -
Part 021-6: Grade B/2 single-mode fibre optic connectors for category O -
Uncontrolled environment
(IEC 61753-021-6:2007)**

Norme de qualité de fonctionnement
des dispositifs d'interconnexion
et composants passifs à fibres optiques -
Partie 021-6: Connecteurs à fibres
optiques unimodales de classe B/2
pour la catégorie O
Environnement non contrôlé
(CEI 61753-021-6:2007)

Lichtwellenleiter -
Verbindungselemente
und passive Bauteile -
Betriebsverhalten -
Teil 021-6: Lichtwellenleiter-
Steckverbinder der Stufe B/2
für Einmodenfasern für die Kategorie O -
Unkontrollierte Umgebung
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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

Foreword

The text of document 86B/2592/FDIS, future edition 1 of IEC 61753-021-6, 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 61753-021-6 on 2007-12-01.

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) 2008-09-01
- latest date by which the national standards conflicting 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 61753-021-6:2007 was approved by CENELEC as a European Standard without any modification.

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 60793-2-50	– ¹⁾	Optical fibres - Part 2-50 : Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50 + corr. July	2004 ²⁾ 2004
IEC 61300-2-1	– ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-1: Tests - Vibration (sinusoidal)	EN 61300-2-1	2003 ²⁾
IEC 61300-2-2	– ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-2: Tests - Mating durability	EN 61300-2-2	2003 ²⁾
IEC 61300-2-5	– ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion/Twist	EN 61300-2-5	2002 ²⁾
IEC 61300-2-12	– ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-12: Tests - Impact	EN 61300-2-12	2005 ²⁾
IEC 61300-2-18	– ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-18: Tests - Dry heat - High temperature endurance	EN 61300-2-18	2005 ²⁾
IEC 61300-2-19	– ¹⁾	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 ²⁾
IEC 61300-2-22	– ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-22: Tests - Change of temperature	EN 61300-2-22	2007 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u> ²⁾
IEC 61300-2-26	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-26: Tests - Salt mist	EN 61300-2-26	2007 ²⁾
IEC 61300-2-44	- ¹⁾	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 ²⁾
IEC 61300-2-48	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-48: Tests - Temperature-humidity cycling	EN 61300-2-48	2003 ²⁾
IEC 61300-2-49	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-49: Tests - Connector installation test	EN 61300-2-49	2007 ²⁾
IEC 61300-2-50	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-50: Tests - Fibre optic connector proof test with static load - Singlemode and multimode	EN 61300-2-50	2007 ²⁾
IEC 61300-2-51	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-51: Tests - Fibre optic connector test for transmission with applied tensile load - singlemode and multimode	EN 61300-2-51	2007 ²⁾
IEC 61300-3-1	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-1: Examinations and measurements - Visual examination	EN 61300-3-1	2005 ²⁾
IEC 61300-3-3	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-3: Examinations and measurements - Active monitoring of changes in attenuation and return loss	EN 61300-3-3	2003 ²⁾
IEC 61300-3-4	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-4: Examinations and measurements - Attenuation	EN 61300-3-4	2001
IEC 61300-3-6	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-6: Examinations and measurements - Return loss	EN 61300-3-6	2003 ²⁾

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-3-34	– ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-34: Examinations and measurements - Attenuation of random mated connectors	EN 61300-3-34	2002 ²⁾
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
IEC 61754 (mod)	Series	Fibre optic connector interfaces	EN 61754	Series
IEC 61755 (mod)	Series	Fibre optic connector optical interfaces	EN 61755	Series
IEC 61755-3 (mod)	Series	Fibre optic connector optical interfaces - Part 3: Optical interface	EN 61755-3	Series

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fibre optic interconnecting devices and passive components performance standard –

Part 021-6: Grade B/2 single-mode fibre optic connectors for category O – Uncontrolled environment

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Norme de qualité de fonctionnement des dispositifs d'interconnexion et composants passifs à fibres optiques –

Partie 021-6: Connecteurs à fibres optiques unimodales de classe B/2 pour la catégorie O – Environnement non contrôlé

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING
DEVICES AND PASSIVE COMPONENTS
PERFORMANCE STANDARD –**

**Part 021-6: Grade B/2 single-mode fibre
optic connectors for category O –
Uncontrolled environment**

FOREWORD

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International Standard IEC 61753-021-6 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/2592/FDIS	86B/2616/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.

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