

SLOVENSKI STANDARD

SIST EN 61753-121-2:2018

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Nadomešča:

SIST EN 61753-121-2:2010

Optični spojni elementi in pasivne komponente - Tehnični standardi - 121-2. del: Simpleksne in dupleksne vrvice z enorodnim optičnim vlaknom ter cilindričnimi tulčastimi konektorji za kategorijo C - Nadzorovano okolje (IEC 61753-121-2:2017)

Fibre optic interconnecting devices and passive components - Performance standards - Part 121-2: Simplex and duplex cords with singlemode fibre and cylindrical ferrule connectors for category C - Controlled environment (IEC 61753-121-2:2017)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Betriebsverhalten - Teil 121-2: Simplex- und Duplexkabel mit Einmoden-Lichtwellenleiter-Steckverbindern mit zylindrischen Ferrulen für die Kategorie C - Kontrollierte Umgebung (IEC 61753-121-2:2017)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Norme de qualité de fonctionnement - Partie 121-2: Cordons simplex et duplex avec fibres unimodales, munis de connecteurs à fêrule cylindrique pour catégorie C - Environnement contrôlé (IEC 61753-121-2:2017)

Ta slovenski standard je istoveten z: EN 61753-121-2:2017

ICS:

33.180.20	Povezovalne naprave za optična vlakna	Fibre optic interconnecting devices
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61753-121-2

October 2017

ICS 33.180.20

Supersedes EN 61753-121-2:2010

English Version

**Fibre optic interconnecting devices and passive components -
Performance standard - Part 121-2: Simplex and duplex cords
with single-mode fibre and cylindrical ferrule connectors for
category C - Controlled environment
(IEC 61753-121-2:2017)**

Dispositifs d'interconnexion et composants passifs
fibroniques - Norme de performance -
Partie 121-2: Cordons simplex et duplex avec fibres
unimodales, munis de connecteurs à ferrule cylindrique pour
catégorie C - Environnement contrôlé
(IEC 61753-121-2:2017)

Lichtwellenleiter - Verbindungselemente und passive
Bauteile - Betriebsverhalten - Teil 121-2: Simplex- und
Duplexkabel mit Einmoden-Lichtwellenleiter-
Steckverbindern mit zylindrischen Ferrulen für die Kategorie
C - Kontrollierte Umgebung
(IEC 61753-121-2:2017)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 61753-121-2:2017**European foreword**

The text of document 86B/4076/FDIS, future edition 2 of IEC 61753-121-2, 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 61753-121-2:2017.

The following dates are fixed:

- latest date by which the document has to be (dop) 2018-04-20
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2020-10-20
standards conflicting with the
document have to be withdrawn

This document supersedes EN 61753-121-2:2010.

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Endorsement notice

The text of the International Standard IEC 61753-121-2:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60794-1-2:2017	NOTE	Harmonized as EN 60794-1-2:2017 (not modified).
IEC 60794-2	NOTE	Harmonized as EN 60794-2.
IEC 61300 Series	NOTE	Harmonized as EN 61300 Series.
IEC 61753 Series	NOTE	Harmonized as EN 61753 Series.
IEC 61756-1	NOTE	Harmonized as EN 61756-1.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	-
IEC 60794-2-50	-	Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies	EN 60794-2-50	-
IEC 60794-2-51	-	Optical fibre cables - Part 2-51: Indoor cables - Detail specification for simplex and duplex cables for use in cords for controlled environment	EN 60794-2-51	-
IEC 61300-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN 61300-1	-
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 61300-2-22	-	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	-

EN 61753-121-2:2017

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-3-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-1: Examinations and measurements - Visual examination	EN 61300-3-1	-
IEC 61300-3-3	-	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	-
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 61300-3-22	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-22: Examinations and measurements - Ferrule compression force	EN 61300-3-22	-
IEC 61300-3-25	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-25: Examinations and measurements - Concentricity of non-angled ferrules and non-angled ferrules with fibre installed	EN 61300-3-25	-
IEC 61300-3-26	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-26: Examinations and measurements - Measurement of the angular misalignment between fibre and ferrule axes	EN 61300-3-26	-
IEC 61300-3-28	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-28: Examinations and measurements - Transient loss	EN 61300-3-28	-
IEC 61300-3-34	-	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	-
IEC 61300-3-35	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-35: Examinations and measurements - Visual inspection of fibre optic connectors and fibre-stub transceivers	EN 61300-3-35	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-3-47	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-47: Examinations and measurements - Endface geometry of PC/APC spherically polished ferrules using interferometry	EN 61300-3-47	-
IEC 61753-1	-	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards	EN 61753-1	-
IEC 61753-021-2	-	Fibre optic interconnecting devices and passive components performance standard - Part 021-2: Grade C/3 single-mode fibre optic connectors for category C - Controlled environment	EN 61753-021-2	-
IEC 61754	Series	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces	EN 61754	Series
IEC 61755	Series	Fibre optic interconnecting devices and passive components - connector optical interfaces	EN 61755	Series
IEC/TR 61931	-	Fibre optic - Terminology	-	-

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Edition 2.0 2017-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fibre optic interconnecting devices and passive components – Performance standard –

Part 121-2: Simplex and duplex cords with single-mode fibre and cylindrical ferrule connectors for category C – Controlled environment

<https://standards.iteh.ai/catalog/standards/sist/552d1341-6975-4c16-9716-83c28d012b2a/iec-61753-121-2-2018>

Dispositifs d'interconnexion et composants passifs fibroniques – Norme de performance –

Partie 121-2: Cordons simplex et duplex avec fibres unimodales, munis de connecteurs à férule cylindrique pour catégorie C – Environnement contrôlé

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – PERFORMANCE STANDARD –

Part 121-2: Simplex and duplex cords with single-mode fibre and cylindrical ferrule connectors for category C – Controlled environment

FOREWORD

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International Standard IEC 61753-121-2 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) merge an optical performance requirement of a reference cord;
- b) delete Annexes D and E due to updated relevant standard document;