
Optični spojni elementi in pasivne komponente - Vmesniki optičnih konektorjev za enorodovna vlakna - 2-1. del: Parametri konektorjev za disperzijsko nespremenjena, fizično staknjena optična vlakna - Nepoševno (IEC 61755-2-1:2022)

Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 2-1: Connection parameters of dispersion unshifted physically contacting fibres - Non-angled (IEC 61755-2-1:2022)

Lichtwellenleiter-Verbindungselemente und passive Bauteile - Optische Schnittstellen für Lichtwellenleiter-Steckverbinder für Einmodenfasern - Teil 2-1: Verbindungsparameter von nicht dispersionsverschobenen Fasern mit physikalischem Kontakt - nicht angeschrägt (IEC 61755-2-1:2022)

Dispositifs d'interconnexion et composants passifs fibroniques - Interfaces optiques des connecteurs pour fibres unimodales - Partie 2-1: Paramètres de connexion des fibres en contact physique à dispersion non décalée - Sans angle (IEC 61755-2-1:2022)

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English Version

Fibre optic interconnecting devices and passive components -
Connector optical interfaces for single-mode fibres - Part 2-1:
Connection parameters of dispersion unshifted physically
contacting fibres - Non-angled
(IEC 61755-2-1:2022)

Dispositifs d'interconnexion et composants passifs
fibroniques - Interfaces optiques des connecteurs pour
fibres unimodales - Partie 2-1: Paramètres de connexion
des fibres en contact physique à dispersion non décalée -
Sans angle
(IEC 61755-2-1:2022)

Lichtwellenleiter-Verbindungselemente und passive
Bauteile - Optische Schnittstellen für Lichtwellenleiter-
Steckverbinder für Einmodenfasern - Teil 2-1:
Verbindungsparameter von nicht dispersionsverschobenen
Fasern mit physikalischem Kontakt - nicht angeschrägt
(IEC 61755-2-1:2022)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61755-2-1:2022 (E)**European foreword**

The text of document 86B/4629/FDIS, future edition 2 of IEC 61755-2-1, 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 IEC 61755-2-1:2022.

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) 2023-07-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-10-04

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

IEC 61755-2-2 NOTE Harmonized as EN 61755-2-2

IEC 61755-3-1 NOTE Harmonized as EN 61755-3-1

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 IEC 60793-2-50	-
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 61300-3-34	-	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	-
IEC 61300-3-45	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-45: Examinations and measurements - Attenuation of random mated multi-fibre connectors	EN 61300-3-45	-
IEC 61755-1	-	Fibre optic connector optical interfaces - Part 1: Optical interfaces for single mode non-dispersion shifted fibres - General and guidance	EN 61755-1	-



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Fibre optic interconnecting devices and passive components – Connector optical interfaces for single-mode fibres –
Part 2-1: Connection parameters of dispersion unshifted physically contacting fibres – Non-angled**

**Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces optiques des connecteurs pour fibres unimodales –
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES AND
PASSIVE COMPONENTS – CONNECTOR OPTICAL
INTERFACES FOR SINGLE-MODE FIBRES –**
**Part 2-1: Connection parameters of dispersion
unshifted physically contacting fibres – Non-angled**
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IEC 61755-2-1 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics. It is an International Standard.

This second edition cancels and replaces the first edition published in 2006. This edition constitutes a technical revision.

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

- a) addition of normative references and visual requirement tables;
- b) reconsideration of the whole parts of the text to avoid misuse of the standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
86B/4629/FDIS	86B/4653/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC 61755 series, published under the general title *Fibre optic interconnecting devices and passive components – Connector optical interfaces for single-mode fibres*, can be found on the IEC website.

Future documents in this series will carry the new general title as cited above. Titles of existing documents in this series will be updated at the time of the next edition.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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- amended.

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