

**Fibre optic interconnecting devices and passive components - Performance standard - Part 031-2:  
Non-connectorised single-mode 1×N and 2×N  
non-wavelength-selective branching devices for  
Category C - Controlled environment**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 61753-031-2:2014 sisaldab Euroopa standardi EN 61753-031-2:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 61753-031-2:2014 consists of the English text of the European standard EN 61753-031-2:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 24.10.2014.	Date of Availability of the European standard is 24.10.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

**Fibre optic interconnecting devices and passive components -  
Performance standard - Part 031-2: Non-connectorized single-  
mode 1×N and 2×N non-wavelength-selective branching devices  
for Category C - Controlled environment  
(IEC 61753-031-2:2014)**

Dispositifs d'interconnexion et composants passifs à fibres  
optiques - Norme de performance -  
Partie 031-2 : Dispositifs de couplage indépendants de la  
longueur d'onde 1×N et 2×N en unimodal non-  
connectorisés pour la catégorie C - Environnement contrôlé  
(CEI 61753-031-2:2014)

Lichtwellenleiter - Verbindungselemente und passive  
Bauteile - Betriebsverhalten - Teil 031-2: Nicht steckbare  
wellenlängenunabhängige Einmoden-1×N- und -2×N-  
Verzweiger für die Kategorie C - Kontrollierte Umgebung  
(IEC 61753-031-2:2014)

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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**

## Foreword

The text of document 86B/3791/FDIS, future edition 1 of IEC 61753-031-2, 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 61753-031-2:2014.

The following dates are fixed:

- latest date by which the document has to be (dop) 2015-07-08  
implemented at national level by  
publication of an identical national  
standard or by endorsement
- latest date by which the national (dow) 2017-10-08  
standards conflicting with the  
document have to be withdrawn

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The text of the International Standard IEC 61753-031-2:2014 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 60875-1	NOTE	Harmonized as EN 60875-1.
IEC 61753-1	NOTE	Harmonized as EN 61753-1.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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

NOTE 1 When 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](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-2-50	2012	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	2013
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 61300-2-9	-	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 - High optical power	EN 61300-2-14	-
IEC 61300-2-17	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-17: Tests - Cold	EN 61300-2-17	-
IEC 61300-2-18	-	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	-
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	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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	-
IEC 61300-3-2	2009	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	2009
IEC 61300-3-3	2009	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	2009
IEC 61300-3-6	2008	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-6: Examinations and measurements - Return loss	EN 61300-3-6	2009
IEC 61300-3-7 (mod)	2009	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	2012
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 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	-

## CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references .....	5
3 Test.....	6
4 Test report.....	7
5 Performance requirements .....	7
5.1 Dimensions.....	7
5.2 Sample size .....	7
5.3 Test details and requirements.....	7
Annex A (normative) A and U requirements of $1 \times N$ and $2 \times N$ NWBDs .....	14
A.1 Attenuation and uniformity requirements of $1 \times N$ and $2 \times N$ NWBDs calculated by the equations of Tests No.1 and 2 .....	14
A.2 Minimum requirements at room temperature of attenuation values for balanced bidirectional $1 \times N$ and $2 \times N$ NWBD .....	15
Annex B (normative) Sample size .....	17
Bibliography.....	18
Table 1 – Test details and requirements (1 of 6) .....	8
Table A.1 – Attenuation and uniformity requirements of balanced bidirectional NWBD having the most common port configurations for Class A, with the underlying formulas as specified in the Tests 1 and 2 of Table 1 .....	14
Table A.2 – Attenuation and uniformity requirements of balanced bidirectional NWBD having the most common port configurations for Class B, with the underlying formulas as specified in Tests 1 and 2 of Table 1 .....	15
Table A.3 – Attenuation requirements of $1 \times 2$ and $2 \times 2$ unbalanced NWBD having the most common port configurations, with the underlying formula as specified in Test 1 of Table 1 .....	15
Table A.4 – Minimum requirements at room temperature of attenuation values for Class A balanced bidirectional NWBD.....	16
Table A.5 – Minimum requirements at room temperature of attenuation values for Class B balanced bidirectional NWBD.....	16
Table B.1 – Sample size for each test.....	17