Fibre optic interconnecting devices and passive components - Basic test and measurement procedures is a providing some particular of the state Part 2-10: Tests - Crush resistance



EESTI STANDARDI EESSÕNA

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This Estonian standard EVS-EN 61300-2-10:2012
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EN 61300-2-10:2012.
This standard has been endorsed with a notification
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EUROPEAN STANDARD

EN 61300-2-10

NORME EUROPÉENNE EUROPÄISCHE NORM

November 2012

ICS 33.180.20

Supersedes EN 61300-2-10:1997

English version

Fibre optic interconnecting devices and passive components Basic test and measurement procedures Part 2-10: Tests - Crush resistance

(IEC 61300-2-10:2012)

Dispositifs d'interconnexion et composants passifs à fibres optiques - Méthodes fondamentales d'essais et de mesures - Partie 2-10: Essais - Résistance à la compression (CEI 61300-2-10:2012)

Lichtwellenleiter Verbindungselemente und passive
Bauteile Grundlegende Prüf- und Messverfahren Teil 2-10: Prüfungen Querdruckbeständigkeit
(IEC 61300-2-10:2012)

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86B/3439/FDIS, future edition 2 of IEC 61300-2-10, 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 61300-2-10:2012.

The following dates are fixed:

- latest date by which the document has (dop) 2013-06-13 to be implemented at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the document have to be withdrawn
 (dow) 2013-09-13

This document supersedes EN 61300-2-10:1997.

EN 61300-2-10:2012 includes the following significant technical changes with respect to EN 61300-2-10:1997:

The changes with respect to the previous edition are to reconsider the entire text.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61300-2-10:2012 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 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 61300-1	7	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN 61300-1	-
IEC 61300-2-38	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-38: Tests - Sealing for pressurized fibre optic closures	EN 61300-2-38	-
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 61300-3-4	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-4: Examinations and measurements - Attenuation	EN 61300-3-4	-
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	-
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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –

Part 2-10: Tests - Crush resistance

1 Scope

This part of IEC 61300 evaluates the effect of loads which might occur when fibre optic devices are exposed to critical situations such as being stepped on or being run over by vehicle tyres.

2 Normative references

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.

IEC 61300-1, Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 1: General and guidance

IEC 61300-2-38, Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-38: Tests – Sealing for pressurized fibre optic closures

IEC 61300-3-1, Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-1: Examinations and measurements – Visual examination

IEC 61300-3-4, Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-4: Examinations and measurements – Attenuation

IEC 61300-3-6, Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-6: Examinations and measurements – Return loss

3 General description

The device under test (DUT) is exposed to a compressive load which is applied by a pad.

4 Apparatus

4.1 General

The apparatus consists of the following elements (Figure 1).

4.2 Plate

A 10 mm thick steel plate large enough for the whole DUT or as specified in the relevant specification. The plate is place on a non yielding surface. The plate has rounded edges.