

Irish Standard I.S. EN IEC 61300-2-10:2021

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

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I.S. EN IEC 61300-2-10:2021

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NSAI T +353 1 807 3800 1 Swift Square, F +353 1 807 3838 Sales: T +353 1 857 6730

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National Foreword

I.S. EN IEC 61300-2-10:2021 is the adopted Irish version of the European Document EN IEC 61300-2-10:2021, Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-10: Tests - Crush and load resistance

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EUROPEAN STANDARD

EN IEC 61300-2-10

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2021

ICS 33.180.20

Supersedes EN 61300-2-10:2012 and all of its amendments and corrigenda (if any)

English Version

Fibre optic interconnecting devices and passive components Basic test and measurement procedures - Part 2-10: Tests Crush and load resistance
(IEC 61300-2-10:2021)

Dispositifs d'interconnexion et composants passifs fibroniques - Procédures fondamentales d'essais et de mesures - Partie 2-10: Essais - Résistance à la compression et à la charge (IEC 61300-2-10:2021) Lichtwellenleiter - Verbindungselemente und passive Bauteile - Grundlegende Prüf- und Messverfahren – Teil 2-10: Prüfungen - Querdruck- und Lastbeständigkeit (IEC 61300-2-10:2021)

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EN IEC 61300-2-10:2021 (E)

European foreword

The text of document 86B/4405/FDIS, future edition 3 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 IEC 61300-2-10:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-01-06 level by publication of an identical national standard or by endorsement
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Annex ZA

(normative)

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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>	Year	Title	EN/HD	<u>Year</u>
IEC 61300-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN 61300-1	-
IEC 61300-2-38	-	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	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	-
IEC 61753-1	-	Fibre optic interconnecting devices and passive components - Performance standard - Part 1: General and guidance	EN IEC 61753-1	-

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IEC 61300-2-10

Edition 3.0 2021-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –

Part 2-10: Tests - Crush and load resistance

Dispositifs d'interconnexion et composants passifs fibroniques – Procédures fondamentales d'essais et de mesures –

Partie 2-10: Essais - Résistance à la compression et à la charge





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IEC Central Office Tel.: +41 22 919 02 11

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IEC 61300-2-10

Edition 3.0 2021-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –

Part 2-10: Tests - Crush and load resistance

Dispositifs d'interconnexion et composants passifs fibroniques – Procédures fondamentales d'essais et de mesures –

Partie 2-10: Essais – Résistance à la compression et à la charge

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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- 2 - IEC 61300-2-10:2021 © IEC 2021

CONTENTS

FC	REW	ORD	3			
1	Sco	pe	5			
2	Normative references					
3						
4	Ger	neral description	6			
5	Apparatus					
•	5.1	General				
	5.2	Plate or ground				
	5.3	Pad				
	5.4	Force generator				
	5.5	Gauge				
	5.6	Temperature chamber				
6	Pro	cedure				
	6.1	DUT preparation	10			
	6.2	Pre-conditioning				
	6.3	Initial examination and measurement				
	6.4	Device mounting	10			
	6.5	Conditioning				
	6.6	Recovery	10			
	6.7	Final examination and measurement	10			
7	Severity					
8	Det	ails to be specified	11			
Fi	gure 1	– Crush apparatus	7			
		Apparatus for an evenly distributed load applied to the top surface of a abinet – Front view	7			
		Apparatus for an evenly distributed load applied to the top surface of a spinet – Top view	8			
		- Apparatus for load applied to a street cabinet door – Front view				
Figure 5 – Apparatus for load applied to a street cabinet door – Top view						
. 1	yai G J	Apparatas for load applied to a street eabiliet door - Top view	9			
Тэ	hle 1	_ Savarities	11			

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- 3 -

INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING
DEVICES AND PASSIVE COMPONENTS –
BASIC TEST AND MEASUREMENT PROCEDURES –

Part 2-10: Tests - Crush and load resistance

FOREWORD

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IEC 61300-2-10 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 third edition cancels and replaces the second edition published in 2012.

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

- a) addition of testing an evenly distributed static load applied on the top surface of a street cabinet;
- b) addition of testing a static load applied to a street cabinet door;
- c) addition of descriptions to perform the test at a specified temperature other as specified in the standard atmospheric conditions and addition of test temperature(s) in Table 1;

- 4 - IEC 61300-2-10:2021 © IEC 2021

d) update of the severities according to IEC 61753-1:2018.

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

FDIS	Report on voting
86B/4405/FDIS	86B/4435/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.

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- 5 -

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –

Part 2-10: Tests - Crush and load resistance

1 Scope

This part of IEC 61300 evaluates the effect of loads which is possible to occur when fibre optic devices are exposed to critical situations such as being stepped on, being run over by vehicle tyres, when an evenly-distributed static load is applied to the top surface of a street cabinet or when a load is applied to a street cabinet's open door.

2 Normative references

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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

IEC 61753-1, Fibre optic interconnecting devices and passive components – Performance standard – Part 1: General and guidance

3 Terms and definitions

No terms and definitions are listed in this document.

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