

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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

**Dispositifs d'interconnexion et composants passifs à fibres optiques –  
Méthodes fondamentales d'essais et de mesures –  
Partie 2-10: Essais – Résistance à la compression**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES  
AND PASSIVE COMPONENTS –  
BASIC TEST AND MEASUREMENT PROCEDURES –****Part 2-10: Tests – Crush resistance**

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International Standard IEC 61300-2-10 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 1995. It constitutes a technical revision.

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

The text of this standard is based on the following documents:

| FDIS          | Report on voting |
|---------------|------------------|
| 86B/3439/FDIS | 86B/3484/RVD     |

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of IEC 61300 series, published under the general title, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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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 placed on a non yielding surface. The plate has rounded edges.