

SLOVENSKI STANDARD

SIST EN 61300-2-2:2009

01-maj-2009

Nadomešča:
SIST EN 61300-2-2:2004

Povezovalne naprave in pasivne komponente optičnih vlaken - Postopki osnovnega preskušanja in merjenja - 2-2. del: Preskusi - Mehanični no trajanje (IEC 61300-2-2:2009)

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-2: Tests - Mating durability (IEC 61300-2-2:2009)

iTeh STANDARD PREVIEW
(standards.iTeh.eu)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Grundlegende Prüf- und Messverfahren - Teil 2-2: Prüfungen - Mechanische Lebensdauer (IEC 61300-2-2:2009)

[SIST EN 61300-2-2:2009](https://standards.iTeh.eu/SIST/61300-2-2:2009)
<https://standards.iTeh.eu/SIST/61300-2-2:2009>

Dispositifs d'interconnexion et composants passifs à fibres optiques - Méthodes fondamentales d'essais et de mesures - Partie 2-2: Essais - Durabilité de l'accouplement (CEI 61300-2-2:2009)

Ta slovenski standard je istoveten z: EN 61300-2-2:2009

ICS:

33.180.20	Povezovalne naprave za optična vlakna	Fibre optic interconnecting devices
-----------	---------------------------------------	-------------------------------------

SIST EN 61300-2-2:2009

en,fr

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61300-2-2:2009

<https://standards.iteh.ai/catalog/standards/sist/75f91b41-3b7c-4bb8-bc27-b9b06d67f2af/sist-en-61300-2-2-2009>

Foreword

The text of document 86B/2772/FDIS, future edition 3 of IEC 61300-2-2, 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 was approved by CENELEC as EN 61300-2-2 on 2009-02-01.

This European Standard supersedes EN 61300-2-2:2003.

Specific technical changes from EN 61300-2-2:2003 include a mating durability test for a plug-socket configuration, a new measurement condition and a new severity level.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2009-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-02-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61300-2-2:2009 was approved by CENELEC as a European Standard without any modification. (standards.iteh.ai)

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61300-1 <https://standards.iteh.ai/catalog/standards/sist/75f91b41-3b7c-4bb8-be27-b9b06d67f2af/sist-en-61300-2-2-2009>
NOTE Harmonized as EN 61300-1:2003 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-3-1	- 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	2005 ²⁾
IEC 61300-3-3	- ¹⁾	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	200X ³⁾
IEC 61300-3-4	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-4: Examinations and measurements - Attenuation	EN 61300-3-4	2001 ²⁾

<https://standards.iteh.ai/catalog/standards/sist/75f91b41-3b7c-4bb8-be27-b9b06d67f2af/sist-en-61300-2-2-2009>

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ To be ratified.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61300-2-2:2009

<https://standards.iteh.ai/catalog/standards/sist/75f91b41-3b7c-4bb8-bc27-b9b06d67f2af/sist-en-61300-2-2-2009>



IEC 61300-2-2

Edition 3.0 2009-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –
Part 2-2: Tests – Mating durability**

**Dispositifs d'interconnexion et composants passifs à fibres optiques –
Méthodes fondamentales d'essais et de mesures –
Partie 2-2: Essais – Durabilité de l'accouplement**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

J

ICS 33.180.20

ISBN 2-8318-1023-4

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 General description	5
4 Apparatus.....	5
4.1 Fixturing	5
4.2 Force applicator	5
4.3 Measuring equipment	6
5 Procedure	6
5.1 Initial inspection	6
5.2 Cycling	6
5.3 Measurements.....	6
5.3.1 General remark	6
5.3.2 Measurement condition A	7
5.3.3 Measurement condition B	7
5.3.4 Post test examination	7
6 Severity.....	8
7 Details to be specified.....	8
Bibliography.....	9
Figure 1 – Mating durability test for a plug-adaptor-plug configuration	6
Figure 2 – Mating durability test for a plug-socket configuration	6
Table 1 – Severity level	8

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 2-2: Tests – Mating durability

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with an IEC Publication.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61300-2-2 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition, published in 2003, and constitutes a technical revision. Specific technical changes from the previous edition include a mating durability test for a plug-socket configuration, a new measurement condition and a new severity level.