
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 (IEC 61300-3-7:2000)

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

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Lichtwellenleiter - Verbindungselemente und passive Bauteile - Grundlegende Prüf- und Meßverfahren -- Teil 3-7: Untersuchungen und Messungen - Wellenlängenabhängigkeit von Dämpfung und Rückstredämpfung

[SIST EN 61300-3-7:2002](https://standards.iteh.ai/catalog/standards/sist/5b550425-7e39-4eb1-9368-102222222222)

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Dispositifs d'interconnexion et composants passifs à fibres optiques - Méthodes fondamentales d'essais et de mesures -- Partie 3-7: Examens et mesures - Affaiblissement et pertes par réflexion en fonction de la longueur d'onde

Ta slovenski standard je istoveten z: EN 61300-3-7:2001

ICS:

33.180.20 Ú[ç^: [çæ] ^Á æ] |æ^Á æ Fibre optic interconnecting devices
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SIST EN 61300-3-7:2002**en**

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EUROPEAN STANDARD

EN 61300-3-7

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2001

ICS 33.180.20

English version

**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
(IEC 61300-3-7:2000)**

Dispositifs d'interconnexion et
composants passifs à fibres optiques -
Méthodes fondamentales d'essais et
de mesures
Partie 3-7: Examens et mesures -
Affaiblissement et pertes par réflexion
en fonction de la longueur d'onde
(CEI 61300-3-7:2000)

Lichtwellenleiter - Verbindungselemente
und passive Bauteile - Grundlegende
Prüf- und Meßverfahren
Teil 3-7: Untersuchungen und Messungen -
Wellenlängenabhängigkeit von Dämpfung
und Rückstreuendämpfung
(IEC 61300-3-7:2000)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 86B/1386/FDIS, future edition 1 of IEC 61300-3-7, 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 61300-3-7 on 2001-01-01.

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) 2001-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-01-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61300-3-7:2000 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60874-14-9	¹⁾	Connectors for optical fibres and cables Part 14-9: Fibre optic connector type SC-APC tuned 8° terminated on single mode fibre type B1 - Detail specification	-	-
IEC 60874-14-10	¹⁾	Part 14-10: Fibre optic pigtail or patch cord connector type SC-APC untuned 8° terminated on single mode fibre type B1 - Detail specification	-	-
IEC 61300-1	¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 1: General and guidance	EN 61300-1	1997 ²⁾
IEC 61300-3-4	¹⁾	Part 3-4: Examination and measurements Attenuation	EN 61300-3-4	1998 ²⁾
IEC 61300-3-6	¹⁾	Part 3-6: Examinations and measurements - Return loss	EN 61300-3-6	1997 ²⁾

¹⁾ undated reference.

²⁾ valid edition at date of issue.

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61300-3-7

Première édition
First edition
2000-11

**Dispositifs d'interconnexion et
composants passifs à fibres optiques –
Méthodes fondamentales d'essais et de mesures –**

Partie 3-7:

**Examens et mesures –
Affaiblissement et pertes par réflexion
en fonction de la longueur d'onde**

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**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**

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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**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**

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.
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International Standard IEC 61300-3-7 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This bilingual version (2004-02) replaces the English version.

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

FDIS	Report on voting
86B/1386/FDIS	86B/1422/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.

IEC 61300 consists of the following parts, under the general title: *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures*:

- Part 1: General and guidance
- Part 2: Tests
- Part 3: Examinations and measurements

The committee has decided that the contents of this publication will remain unchanged until 2004. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

The French version of this standard has not been voted upon.

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