SLOVENSKI STANDARD
SIST EN 60793-1-1:2008

01-oktober-2008

Nadomeġļ a:
SIST EN 60793-1-1:2004

Optiļ na vlakna - 1-1. del: Metode merjenja in preskusni postopki - Sploġno in smernice (IEC 60793-1-1:2008)

Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance (IEC 60793-1-1:2008)

Lichtwellenleiter - Teil 1-1: Mess- und Prüfverfahren - Allgemeines und Leitfaden (IEC 60793-1-1:2008)

Fibres optiques - Partie 1-1: Méthodes de mesure et procédures d'essai - Généralités et guide (CEI 60793-1-1:2008)

Ta slovenski standard je istoveten z: **EN 60793-1-1:2008**

ICS:

33.180.10 (Optiļ na) vlakna in kabli Fibres and cables

SIST EN 60793-1-1:2008 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60793-1-1

August 2008

ICS 33.180.10

Supersedes EN 60793-1-1:2003

English version

Optical fibres -
Part 1-1: Measurement methods and test procedures - General and guidance
(IEC 60793-1-1:2008)

Fibres optiques -
Partie 1-1: Méthodes de mesure et procédures d'essai - Généralités et guide
(CEI 60793-1-1:2008)

Lichtwellenleiter -
Teil 1-1: Mess- und Prüfverfahren - Allgemeines und Leitfaden
(IEC 60793-1-1:2008)

This European Standard was approved by CENELEC on 2008-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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.

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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 86A/1127/CDV, future edition 3 of IEC 60793-1-1, prepared by SC 86A, Fibres and cables, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 60793-1-1 on 2008-07-01.

This European Standard supersedes EN 60793-1-1:2003.

The main changes with regard to EN 60793-1-1:2003 concern:

– re-wording of Clause 8: Categories of optical fibres;

– removal of Clause 10: Cross-reference of former test designations to current documents;

– removal of the bibliography.

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)	2009-04-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2011-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60793-1-1:2008 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 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.

Publication	Year	Title	EN/HD	Year
IEC 60793 (mod)	Series	Optical fibres	EN 60793	Series
IEC 60793-1-20	- [1)]	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry	EN 60793-1-20	2002 [2)]
IEC 60793-1-21	- [1)]	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry	EN 60793-1-21	2002 [2)]
IEC 60793-1-22	- [1)]	Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement	EN 60793-1-22	2002 [2)]
IEC 60793-1-30	- [1)]	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test	EN 60793-1-30	2002 [2)]
IEC 60793-1-31	- [1)]	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile strength	EN 60793-1-31	2002 [2)]
IEC 60793-1-32 (mod)	- [1)]	Optical fibres - Part 1-32: Measurement methods and test procedures - Coating strippability	EN 60793-1-32	2003 [2)]
IEC 60793-1-33	- [1)]	Optical fibres - Part 1-33: Measurement methods and test procedures - Stress corrosion susceptibility	EN 60793-1-33	2002 [2)]
IEC 60793-1-34	- [1)]	Optical fibres - Part 1-34: Measurement methods and test procedures - Fibre curl	EN 60793-1-34	2006 [2)]
IEC 60793-1-40 (mod)	- [1)]	Optical fibres - Part 1-40: Measurement methods and test procedures - Attenuation	EN 60793-1-40	2003 [2)]
IEC 60793-1-41	- [1)]	Optical fibres - Part 1-41: Measurement methods and test procedures - Bandwidth	EN 60793-1-41	2003 [2)]
IEC 60793-1-42	- [1)]	Optical fibres - Part 1-42: Measurement methods and test procedures - Chromatic dispersion	EN 60793-1-42	2007 [2)]

[1)] Undated reference.

[2)] Valid edition at date of issue.

Publication	Year	Title	EN/HD	Year
IEC 60793-1-43	- [1]	Optical fibres - Part 1-43: Measurement methods and test procedures - Numerical aperture	EN 60793-1-43	2002 [2]
IEC 60793-1-44	- [1]	Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wavelength	EN 60793-1-44	2002 [2]
IEC 60793-1-45 (mod)	- [1]	Optical fibres - Part 1-45: Measurement methods and test procedures - Mode field diameter	EN 60793-1-45 + corr. April	2003 [2] 2004
IEC 60793-1-46	- [1]	Optical fibres - Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical transmittance	EN 60793-1-46	2002 [2]
IEC 60793-1-47	- [1]	Optical fibres - Part 1-47: Measurement methods and test procedures - Macrobending loss	EN 60793-1-47	2007 [2]
IEC 60793-1-48	- [1]	Optical fibres - Part 1-48: Measurement methods and test procedures - Polarization mode dispersion	EN 60793-1-48	2007 [2]
IEC 60793-1-49	- [1]	Optical fibres - Part 1-49: Measurement methods and test procedures - Differential mode delay	EN 60793-1-49	2006 [2]
IEC 60793-1-50	- [1]	Optical fibres - Part 1-50: Measurement methods and test procedures - Damp heat (steady state)	EN 60793-1-50	2002 [2]
IEC 60793-1-51	- [1]	Optical fibres - Part 1-51: Measurement methods and test procedures - Dry heat	EN 60793-1-51	2002 [2]
IEC 60793-1-52	- [1]	Optical fibres - Part 1-52: Measurement methods and test procedures - Change of temperature	EN 60793-1-52	2002 [2]
IEC 60793-1-53	- [1]	Optical fibres - Part 1-53: Measurement methods and test procedures - Water immersion	EN 60793-1-53	2002 [2]
IEC 60793-1-54	- [1]	Optical fibres - Part 1-54: Measurement methods and test procedures - Gamma irradiation	EN 60793-1-54	2003 [2]
IEC 60793-2	- [1]	Optical fibres - Part 2: Product specifications - General	EN 60793-2	2008 [2]
IEC/TR 61931	1998	Fibre optic - Terminology	-	-

IEC 60793-1-1

Edition 3.0 2008-04

INTERNATIONAL STANDARD

Optical fibres –
Part 1-1: Measurement methods and test procedures – General and guidance

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PRICE CODE K

ICS 33.180.10

ISBN 2-8318-9678-9

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRES –

Part 1-1: Measurement methods and test procedures – General and guidance

FOREWORD

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International Standard IEC 60793-1-1 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 2002.

The main changes with regard to the previous edition concern:

– re-wording of Clause 8: Categories of optical fibres;
– removal of Clause 10: Cross-reference of former test designations to current documents
– removal of the bibliography.