SIST EN 60793-1-46:2004

SLOVENSKI STANDARD

september 2004

Optična vlakna – 1-46. del: Metode merjenja in preskusni postopki -Nadzorovanje sprememb v optični prenosnosti (IEC 60793-1-46:2001)*

Optical fibres - Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical transmittance (IEC 60793-1-46:2001)

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<u>SIST EN 60793-1-46:2004</u> https://standards.iteh.ai/catalog/standards/sist/aaaaacbc-d3b0-4098-9325e5ae27229dfb/sist-en-60793-1-46-2004

ICS 33.180.10

Referenčna številka SIST EN 60793-1-46:2004(en)

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EUROPEAN STANDARD

EN 60793-1-46

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2002

ICS 33.180.10

Partly supersedes EN 188000:1992

English version

Optical fibres Part 1-46: Measurement methods and test procedures -Monitoring of changes in optical transmittance (IEC 60793-1-46:2001)

Fibres optiques Partie 1-46: Méthodes de mesure et procédures d'essai -Contrôle des variations du facteur de transmission optique 01) iTeh STANDARD PREVIEW (CEI 60793-1-46:2001)

Lichtwellenleiter Teil 1-46: Messmethoden und Prüfverfahren -Überwachung der optischen Übertragungsänderungen

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SIST EN 60793-1-46:2004

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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, Malta, 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

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Foreword

The text of document 86A/675/FDIS, future edition 1 of IEC 60793-1-46, prepared by SC 86A, Fibres and cables, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60793-1-46 on 2001-07-03.

This European Standard supersedes subclause 4.27 (test method 316) and subclause 4.28 (test method 317) of EN 188000:1992.

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)	2002-09-01
 latest date by which the national standards conflicting with the EN have to be withdrawn 	(dow)	2004-07-01

Annexes designated "normative" are part of the body of the standard. In this standard, annexes A, B and ZA are normative. Annex ZA has been added by CENELEC.

Compared to IEC 60793-1:1989 and IEC 60793-2:1992, IEC/SC 86A has adopted a revised structure of the new IEC 60793 series: The individual measurement methods and test procedures for optical fibres are published as "Part 1-XX"; the product standards are published as "Part 2-XX".

The general relationship between the new series of EN 60793 and the superseded European Standards of the EN 188000 series is as follows: A RD PREVIEW

EN	(stantitlerds itch ai)	supersedes
EN 60793-1-XX	Optical fibres Part 1-XX: Measurement methods and test procedures	Individual subclauses of EN 188000:1992
EN 60793-2-XX	Optical fibres Part 2-XX: Product Specifications https://standards.iteh.ai/catalog/standards/sist/aaaaacbc-d3b0-4 e5ae27229dfb/sist-en-60793-1-46-2004	EN 188100:1995 EN 188101:1995 EN 188102:1995 EN 188200:1995 EN 188201:1995 EN 188202:1995

EN 60793-1-4X consists of the following parts, under the general title: Optical fibres:

- Part 1-40: Measurement methods and test procedures Attenuation
- Part 1-41: Measurement methods and test procedures Bandwidth
- Part 1-42: Measurement methods and test procedures Chromatic dispersion
- Part 1-43: Measurement methods and test procedures Numerical aperture
- Part 1-44: Measurement methods and test procedures Cut-off wavelength
- Part 1-45: Measurement methods and test procedures Mode field diameter
- Part 1-46: Measurement methods and test procedures Monitoring of changes in optical transmittance
- Part 1-47: Measurement methods and test procedures Macrobending loss
- Part 1-48: Measurement methods and test procedures Under consideration
- Part 1-49: Measurement methods and test procedures Under consideration

Endorsement notice

The text of the International Standard IEC 60793-1-46:2001 was approved by CENELEC as a European Standard without any modification.

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.

Publication	Year	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-1-40	_ 1)	Optical fibres Part 1-40: Measurement methods and test procedures - Attenuation	EN 60793-1-40	_ 2)

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<u>SIST EN 60793-1-46:2004</u> https://standards.iteh.ai/catalog/standards/sist/aaaaacbc-d3b0-4098-9325e5ae27229dfb/sist-en-60793-1-46-2004

¹⁾ Undated reference.

²⁾ To be published.

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NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI IEC 60793-1-46

Première édition First edition 2001-07

Fibres optiques -

Partie 1-46: Méthodes de mesure et procédures d'essai – Contrôle des variations du facteur de transmission optique REVIEW

(standards.iteh.ai)

Optical fibres –

SIST EN 60793-1-46:2004 https://ppdatds.iteba6catalog/standards/sist/aaaaacbc-d3b0-4098-9325e5ae2/229dfb/sist-en-60793-1-46-2004

Measurement methods and test procedures – Monitoring of changes in optical transmittance

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Commission Electrotechnique Internationale International Electrotechnical Commission Международная Электротехническая Комиссия CODE PRIX PRICE CODE



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRES –

Part 1-46: Measurement methods and test procedures – Monitoring of changes in optical transmittance

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The 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 the 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 National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60793-1-46 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This standard, together with the other standards in the IEC 60793-1-4X series, replaces the second edition of IEC 60793-1-4, of which it constitutes a technical revision.

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

FDIS	Report on voting
86A/675/FDIS	86A/699/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 3.

Annexes A and B form an integral part of this standard.

IEC 60793-1-1 and IEC 60793-1-2 cover generic specifications.