

STN	Optické káble Časť 1-2: Kmeňová špecifikácia Základné skúšobné postupy na optické káble Všeobecne a definície	STN EN 60794-1-2 35 9223
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Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/17

Obsahuje: EN 60794-1-2:2017, IEC 60794-1-2:2017

Oznámením tejto normy sa od 16.02.2020 ruší
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Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60794-1-2

March 2017

ICS 33.180.10

Supersedes EN 60794-1-2:2014

English Version

Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance (IEC 60794-1-2:2017)

Câbles à fibres optiques - Partie 1-2: Spécification
générique - Procédures fondamentales d'essais des câbles
optiques - Lignes directrices générales
(IEC 60794-1-2:2017)

Lichtwellenleiterkabel - Teil 1-2: Fachgrundspezifikation -
Grundlegende Prüfverfahren für Lichtwellenleiterkabel -
Allgemeine Anleitung
(IEC 60794-1-2:2017)

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

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 86A/1767/FDIS, future edition 4 of IEC 60794-1-2, prepared by SC 86A "Fibres and cables" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60794-1-2:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-11-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-02-16

This document supersedes EN 60794-1-2:2014.

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The text of the International Standard IEC 60794-1-2:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated

IEC 60794-1-21	NOTE	Harmonized as EN 60794-1-21.
IEC 60794-1-22	NOTE	Harmonized as EN 60794-1-22.
IEC 60794-1-23	NOTE	Harmonized as EN 60794-1-23.
IEC 60794-1-24	NOTE	Harmonized as EN 60794-1-24.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-1-40	-	Optical fibres -- Part 1-40: Measurement methods and test procedures - Attenuation	EN 60793-1-40	-
IEC 60793-1-46	-	Optical fibres -- Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical transmittance	EN 60793-1-46	-
IEC 60793-2-40	-	Optical fibres - Part 2-40: Product specifications - Sectional specification for category A4 multimode fibres	EN 60793-2-40	-
IEC 60794-1-1	2015	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	2016



IEC 60794-1-2

Edition 4.0 2017-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Optical fibre cables –

Part 1-2: Generic specification – Basic optical cable test procedures – General guidance

Câbles à fibres optiques –

Partie 1-2: Spécification générique – Procédures fondamentales d'essais des câbles optiques – Lignes directrices générales



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Optical fibre cables –

Part 1-2: Generic specification – Basic optical cable test procedures – General guidance

Câbles à fibres optiques –

Partie 1-2: Spécification générique – Procédures fondamentales d'essais des câbles optiques – Lignes directrices générales

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –**Part 1-2: Generic specification –
Basic optical cable test procedures –
General guidance****FOREWORD**

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International Standard IEC 60794-1-2 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This fourth edition cancels and replaces the third edition published in 2013 and IEC 60794-1-20 published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition and to IEC 60794-1-20:

- a) the multiple cross-reference tables have been deleted and replaced with a higher level one related to the generic standards;
- b) all pertinent text from IEC 60794-1-20 has been included;
- c) standard optical test wavelengths have been introduced;
- d) this document has been streamlined by cross-referencing IEC 60794-1-1;

- e) the "No change in attenuation" definitions contained in IEC 60794-1-20 have been transferred to IEC 60794-1-1;
- f) the title has been modified to reflect the contents of the new edition.

This International Standard is to be used in conjunction with IEC 60794-1-1:2015.

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

FDIS	Report on voting
86A/1767/FDIS	86A/1775/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 in the IEC 60794 series, published under the general title *Optical fibre cables*, 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

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

INTRODUCTION

IEC 60794-1-2:2013 comprised a detailed cross-reference table to the new document set, and general guidance was given in IEC 60794-1-20. These two specifications have been combined in this document, which allows for IEC 60794-1-20 to be withdrawn.

OPTICAL FIBRE CABLES –

Part 1-2: Generic specification – Basic optical cable test procedures – General guidance

1 Scope

This part of IEC 60794-1 applies to optical fibre cables for use with telecommunications equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors.

The prime objective of this document is to provide the end user with an overview about the content of different parts of the IEC 60794-1 series numbered -2X. Table 1 shows the different parts.

Table 1 – Document overview

Test methods	IEC reference
General guidance	IEC 60794-1-2
Methods E – Mechanical	IEC 60794-1-21
Methods F – Environmental	IEC 60794-1-22
Methods G – Cable elements	IEC 60794-1-23
Methods H – Electrical	IEC 60794-1-24
NOTE Several numbers in the test method numbering sequence are missing. The reasons for these omissions are historical. To avoid confusion, the existing numbering sequence has been retained.	

These documents define test procedures to be used in establishing uniform requirements for the geometrical, transmission, material, mechanical, ageing (environmental exposure) and climatic properties of optical fibre cables, and electrical requirements where appropriate.

Throughout the documents, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc.

The secondary objective of this document is to provide the end user with useful guidance when testing optical fibre cables.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 60793-1-40, *Optical fibres – Part 1-40: Measurement methods and test procedures – Attenuation*

IEC 60793-1-46, *Optical fibres – Part 1-46: Measurement methods and test procedures – Monitoring of changes in optical transmittance*

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IEC 60793-2-40, *Optical fibres – Part 2-40: Product specifications – Sectional specification for category A4 multimode fibres*

IEC 60794-1-1:2015, *Optical fibre cables: Generic specification – General*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN