



# SLOVENSKI STANDARD SIST EN IEC 60794-1-2:2021

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Nadomešča:

SIST EN 60794-1-2:2017

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**Optični kabli - 1-2. del: Splošna specifikacija - Osnovni preskusni postopki za optične kable - Splošno navodilo (IEC 60794-1-2:2021)**

Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance (IEC 60794-1-2:2021)

**iTeh STANDARD PREVIEW**

Lichtwellenleiterkabel - Teil 1-2: Fachgrundspezifikation - Grundlegende Prüfverfahren für Lichtwellenleiterkabel – Allgemeine Anleitung (IEC 60794-1-2:2021)

[SIST EN IEC 60794-1-2:2021](#)

Câbles à fibres optiques - Partie 1-2: Spécification générique - Procédures fondamentales d'essais des câbles optiques - Lignes directrices générales (IEC 60794-1-2:2021)

**Ta slovenski standard je istoveten z: EN IEC 60794-1-2:2021**

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**ICS:**

33.180.10 (Optična) vlakna in kabli Fibres and cables

**SIST EN IEC 60794-1-2:2021 en**

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EUROPEAN STANDARD

**EN IEC 60794-1-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2021

ICS 33.180.10

Supersedes EN 60794-1-2:2017 and all of its  
amendments and corrigenda (if any)

English Version

**Optical fibre cables - Part 1-2: Generic specification - Basic  
optical cable test procedures - General guidance  
(IEC 60794-1-2:2021)**

Câbles à fibres optiques - Partie 1-2: Spécification  
générique - Procédures fondamentales d'essais des câbles  
optiques - Recommandations générales  
(IEC 60794-1-2:2021)

Lichtwellenleiterkabel - Teil 1-2: Fachgrundspezifikation -  
Grundlegende Prüfverfahren für Lichtwellenleiterkabel -  
Allgemeine Anleitung  
(IEC 60794-1-2:2021)

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 60794-1-2:2021 (E)****European foreword**

The text of document 86A/2009/CDV, future edition 5 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 IEC 60794-1-2:2021.

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) 2021-11-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-02-19

This document supersedes EN 60794-1-2:2017 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where 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](http://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: Attenuation measurement methods	EN IEC 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	-	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	-
IEC 60794-1-21	2015	Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods	EN 60794-1-21	2015
IEC 60794-1-22	2017	Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods	EN IEC 60794-1-22	2018
IEC 60794-1-23	2019	Optical fibre cables - Part 1-23: Generic specification - Basic optical cable test procedures - Cable element test methods	EN IEC 60794-1-23	2019
IEC 60794-1-24	2014	Optical fibre cables - Part 1-24: Generic specification - Basic optical cable test procedures - Electrical test methods	EN 60794-1-24	2014

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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 – Recommandations 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 fifth edition cancels and replaces the fourth edition published in 2017. This edition constitutes a technical revision.

This edition includes the following significant technical change with respect to the previous edition:

- a) addition of cross-reference tables listing the new test method numbers and the previous test method numbers.

The text of this International Standard is based on the following documents:

CDV	Report on voting
86A/2009/CDV	86A/2057/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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

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 document 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 document will be

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

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## INTRODUCTION

A decision has been reached to reorganize the IEC 60794-1-2 set of test methods into single-subject documents. This will be a migration as the existing test methods are revised and as new test methods are promulgated, rather than a wholesale rewrite. Part of this migration is a decision to maintain the traditional letter-number classification and to use a numbering system which maintains connection to the existing numbering system.

The new test method numbering format has been agreed, in line with IEC Secretariat guidelines, to help the cross-referencing from old to new and that will make the updating of the relevant sectional and product specifications easier. Cross-reference tables listing the new test method numbers and the previous test method numbers have been included (see Annex A, Table A.1 to Table A.8).

The format agreed is as follows:

IEC 60794-1-Xnn

where

X = 2<sup>nd</sup> digit of the old 2-digit reference;

nn = incremental number (starting with old test method number).

For example:

IEC 60794-1-21 method E1 (tensile) becomes IEC 60794-1-101;

IEC 60794-1-22 method F5 (water penetration) becomes IEC 60794-1-205;

IEC 60794-1-23 method G7 (tube kinking) becomes IEC 60794-1-307;

IEC 60794-1-24 method H2 (lightning) becomes IEC 60794-1-402.

Annex A has been added to this document containing a cross-reference between the old and new number scheme.