

SLOVENSKI STANDARD

SIST EN IEC 60794-3-12:2021

01-maj-2021

Nadomešča:
SIST EN 60794-3-12:2013

Optični kabli - 3-12. del: Zunanji kabli - Podrobna specifikacija za optične telekomunikacijske kable v kanalih ali neposredno zakopane za okablenje prostorov (IEC 60794-3-12:2021)

Optical fibre cables - Part 3-12: Outdoor cables - Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling (IEC 60794-3-12:2021)

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Lichtwellenleiterkabel - Teil 3-12: LWL Außenkabel - Produktspezifikation für LWL-Fernmelde-Erd- und Röhrenkabel für anwendungsneutrale Standortverkabelung (IEC 60794-3-12:2021)

[SIST EN IEC 60794-3-12:2021](https://standards.iteh.ai/catalog/standards/sist/a82d0b8c-91c1-4a32-9872-4f56eb3841c3/sist-en-iec-60794-3-12-2021)

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Câbles à fibres optiques - Partie 3-12: Câbles extérieurs - Spécification particulière pour les câbles optiques de télécommunication destinés à être installés dans des conduites ou à être directement enterrés et utilisés dans le câblage de locaux (IEC 60794-3-12:2021)

Ta slovenski standard je istoveten z: EN IEC 60794-3-12:2021

ICS:

33.180.10 (Optična) vlakna in kabli Fibres and cables

SIST EN IEC 60794-3-12:2021 en

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EUROPEAN STANDARD

EN IEC 60794-3-12

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 33.180.10

Supersedes EN 60794-3-12:2013 and all of its amendments and corrigenda (if any)

English Version

Optical fibre cables - Part 3-12: Outdoor cables - Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling (IEC 60794-3-12:2021)

Câbles à fibres optiques - Partie 3-12: Câbles extérieurs - Spécification particulière pour les câbles optiques de télécommunication destinés à être installés dans des conduites ou à être directement enterrés et utilisés dans le câblage de locaux (IEC 60794-3-12:2021)

Lichtwellenleiterkabel - Teil 3-12: LWL-Außenkabel - Produktspezifikation für LWL-Fernmelde-Erd- und Röhrenkabel für anwendungsneutrale Standortverkabelung (IEC 60794-3-12:2021)

This European Standard was approved by CENELEC on 2021-03-03. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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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 60794-3-12:2021 (E)**European foreword**

The text of document 86A/2027/CDV, future edition 3 of IEC 60794-3-12, 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 60794-3-12:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-12-03 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-03-03 document have to be withdrawn

This document supersedes EN 60794-3-12:2013 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.

Endorsement notice

The text of the International Standard IEC 60794-3-12:2021 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:

SIST EN IEC 60794-3-12:2021
<https://standards.itec.ai/catalog/standards/sist/60794-3-12-2021/iec-60794-1-21>
 IEC 60794-1-21 NOTE Harmonized as EN 60794-1-21
<https://standards.itec.ai/catalog/standards/sist/60794-3-12-2021/iec-60794-1-22>
 IEC 60794-1-22 NOTE Harmonized as EN IEC 60794-1-22
<https://standards.itec.ai/catalog/standards/sist/60794-3-12-2021/iec-60794-1-23>
 IEC 60794-1-23 NOTE Harmonized as EN IEC 60794-1-23

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.

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--|---------------|-------------|
| IEC 60793-2-10 | 2019 | Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres | EN 60793-2-10 | 2019 |
| IEC 60793-2-50 | 2018 | Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres | EN 60793-2-50 | 2019 |
| IEC 60794-1-1 | - | Optical fibre cables - Part 1-1: Generic specification - General | EN 60794-1-1 | - |
| IEC 60794-1-2 | - | Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance | EN 60794-1-2 | - |
| IEC 60794-3 | - | Optical fibre cables - Part 3: Outdoor cables - Sectional specification | EN 60794-3 | - |
| IEC 60794-3-10 | - | Optical fibre cables - Part 3-10: Outdoor cables - Family specification for duct, directly buried and lashed aerial optical telecommunication cables | EN 60794-3-10 | - |

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Optical fibre cables –
Part 3-12: Outdoor cables – Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling

Câbles à fibres optiques –
Partie 3-12: Câbles extérieurs – Spécification particulière pour les câbles optiques de télécommunication destinés à être installés dans des conduites ou à être directement enterrés et utilisés dans le câblage de locaux

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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ELECTROTECHNIQUE
INTERNATIONALE

ICS 33.180.10

ISBN 978-2-8322-9323-2

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –

**Part 3-12: Outdoor cables –
Detailed specification for duct and directly buried optical
telecommunication cables for use in premises cabling**

FOREWORD

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IEC 60794-3-12 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics. It is an International Standard.

This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision.

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

- a) addition of references to ISO/IEC 11801-1;
- b) removal of references to ISO/IEC 24702;
- c) incorporation of the OM5 cabled fibre performance category;
- d) incorporation of the OS1a cabled fibre performance category;
- e) cabled fibre performance categories OM1, OM2 and OS1 are no longer normative, and are retained for information.

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

| CDV | Report on voting |
|--------------|------------------|
| 86A/2027/CDV | 86A/2064/RVC |

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

This International Standard is to be used in conjunction with IEC 60794-1-1, IEC 60794-1-2 and IEC 60794-3-10.

A list of all parts of 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 website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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

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