

<b>STN</b>	<b>Optické káble. Časť 3-10: Vonkajšie káble. Skupinová špecifikácia optických telekomunikačných káblov uložených v rúrkach alebo priamo do zeme alebo vzdušných závesných káblov.</b>	<b>STN EN 60794-3-10</b>
		35 9223

Optical fibre cables - Part 3-10: Outdoor cables - Family specification for duct, directly buried or lashed aerial optical telecommunication cables

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. 08/15

Obsahuje: EN 60794-3-10:2015, IEC 60794-3-10:2015

Oznámením tejto normy sa od 12.02.2018 ruší  
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Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy  
rozmnžovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

**EN 60794-3-10**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2015

ICS 33.180.10

Supersedes EN 60794-3-10:2009

English Version

**Optical fibre cables - Part 3-10: Outdoor cables - Family  
specification for duct, directly buried or lashed aerial optical  
telecommunication cables  
(IEC 60794-3-10:2015)**

Câbles à fibres optiques - Partie 3-10: Câbles extérieurs -  
Spécification de famille pour les câbles optiques de  
télécommunication destinés à être installés dans des  
conduites, directement enterrés ou attachés en aérien  
(IEC 60794-3-10:2015)

Lichtwellenleiterkabel - Teil 3-10: Außenkabel -  
Familienspezifikation für LWL-Fernmeldekabel für Röhren-  
und direkte Erdverlegung sowie Befestigung an  
Freileitungen oder Seilen  
(IEC 60794-3-10:2015)

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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**

## Foreword

The text of document 86A/1630/FDIS, future edition 3 of IEC 60794-3-10, 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 60794-3-10:2015.

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) 2015-11-12
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-02-12

This document supersedes EN 60794-3-10:2009.

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## Endorsement notice

The text of the International Standard IEC 60794-3-10:2015 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 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-2	-	Optical fibres -- Part 2: Product specifications - General	EN 60793-2	-
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 - Cross reference table for optical cable test procedures	EN 60794-1-2	-
IEC 60794-1-21	-	Optical fibre cables -- Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods	EN 60794-1-21	-
IEC 60794-1-22	2012	Optical fibre cables -- Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods	EN 60794-1-22	2012
IEC 60794-3	2001	Optical fibre cables -- Part 3: Sectional specification - Outdoor cables	EN 60794-3	2002
IEC 60811-202	-	Electric and optical fibre cables - Test methods for non-metallic materials -- Part 202: General tests - Measurement of thickness of non-metallic sheath	EN 60811-202	-
IEC 60811-203	-	Electric and optical fibre cables - Test methods for non-metallic materials -- Part 203: General tests - Measurement of overall dimensions	EN 60811-203	-
IEC 60811-604	-	Electric and optical fibre cables - Test methods for non-metallic materials -- Part 604: Physical tests - Measurement of absence of corrosive components in filling compounds	EN 60811-604	-



# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Optical fibre cables –  
Part 3-10: Outdoor cables – Family specification for duct, directly buried or  
lashed aerial optical telecommunication cables**

**Câbles à fibres optiques –  
Partie 3-10: Câbles extérieurs – Spécification de famille pour les câbles optiques  
de télécommunication destinés à être installés dans des conduites, directement  
enterrés ou attachés en aérien**





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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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OPTICAL FIBRE CABLES –**Part 3-10: Outdoor cables – Family specification for duct, directly buried or lashed aerial optical telecommunication cables**

## FOREWORD

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International Standard IEC 60794-3-10 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 2009 and constitutes a technical revision.

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

- a) the specification has been streamlined by cross-referencing IEC 60794-1-1, the IEC 60794-3 series and IEC 60794-1-2;
- b) reference to the MICE table in the previous Annex A has been deleted;
- c) lashed aerial installation techniques as referenced in the previous Annex B has been removed for inclusion in the next edition of IEC TR 62691.

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

FDIS	Report on voting
86A/1630/FDIS	86A/1639/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 website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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## OPTICAL FIBRE CABLES –

### Part 3-10: Outdoor cables – Family specification for duct, directly buried or lashed aerial optical telecommunication cables

#### 1 Scope

This part of IEC 60794, which is a family specification, covers optical telecommunication cables to be used in ducts or direct buried applications. The cable may also be used for lashed aerial applications. Requirements of the sectional specification IEC 60794-3 for duct, buried and aerial cables are applicable to cables covered by this standard.

#### 2 Normative references

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.

IEC 60793-2, *Optical fibres – Part 2: Product specifications – General*

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

IEC 60794-1-2, *Optical fibre cables – Part 1-2: Generic specification – Cross reference table for optical cable test procedures*

IEC 60794-1-21, *Optical fibre cables – Part 1-21: Generic specification – Basic optical cable test procedures – Mechanical test methods*<sup>1</sup>

IEC 60794-1-22:2012, *Optical fibre cables – Part 1-22: Generic specification – Basic optical cable test procedures – Environmental test methods*

IEC 60794-3:2001, *Optical fibre cables – Part 3: Sectional specification – Outdoor cables*

IEC 60811-202, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 202: General tests – Measurement of thickness of non-metallic sheath*

IEC 60811-203, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 203: General tests – Measurement of overall dimensions*

IEC 60811-604, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 604: Physical tests – Measurement of absence of corrosive components in filling compounds*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

<sup>1</sup> To be published.