

Optical fibre cables - Part 2: Indoor cables - Sectional  
specification

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## NATIONAL FOREWORD

See Eesti standard EVS-EN 60794-2:2017 sisaldab Euroopa standardi EN 60794-2:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 60794-2:2017 consists of the English text of the European standard EN 60794-2:2017.
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English Version

## Optical fibre cables - Part 2: Indoor cables - Sectional specification (IEC 60794-2:2017)

Câbles à fibres optiques - Partie 2: Câbles intérieurs -  
Spécification intermédiaire  
(IEC 60794-2:2017)

Lichtwellenleiterkabel - Teil 2: LWL-Innenkabel -  
Rahmenspezifikation  
(IEC 60794-2:2017)

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## European foreword

The text of document 86A/1793/FDIS, future edition 4 of IEC 60794-2, prepared by SC 86 A "Fibres and Cables" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60794-2:2017.

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) 2018-04-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-10-27

This document supersedes EN 60794-2:2003.

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 60794-2:2017 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 60794-1-2	NOTE	Harmonized as EN 60794-1-2.
IEC 60794-1-31	NOTE	Harmonized as EN 60794-1-31.
IEC 609794-2-10	NOTE	Harmonized as EN 609794-2-10.
IEC 60794-3	NOTE	Harmonized as EN 60794-3.
IEC 62807-1	NOTE	Harmonized as EN 62807-1.

## 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 60304	-	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	-
IEC 60793-1-40	-	Optical fibres - Part 1-40: Measurement methods and test procedures - Attenuation	EN 60793-1-40	-
IEC 60793-2	-	Optical fibres - Part 2: Product specifications - General	EN 60793-2	-
IEC 60793-2-10	2015	Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres	EN 60793-2-10	2016
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	-
IEC 60794-1-1	2015	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	2016
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	-	Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods	EN 60794-1-22	-
IEC 60794-1-23	-	Optical fibre cables - Part 1-23: Generic specification - Basic optical cable test procedures - Cable element test methods	EN 60794-1-23	-
IEC 60794-1-24	-	Optical fibre cables - Part 1-24: Generic specification - Basic optical cable test procedures - Electrical test methods	EN 60794-1-24	-
IEC 60794-2	series	Optical fibre cables - Part 2: Indoor cables	EN 60794-2	series
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/TR 61931	-	Fibre optic - Terminology	-	-
ISO/IEC 11801	-	Information technology - Generic cabling for customer premises	-	-

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## OPTICAL FIBRE CABLES –

### Part 2: Indoor cables – Sectional specification

#### 1 Scope

This part of IEC 60794 is a sectional specification. It gives the requirements that apply to optical fibre cables for indoor use in communications networks. Other types of applications requiring similar types of cables can be considered.

#### 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 60304, *Standard colours for insulation for low-frequency cables and wire*

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

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

IEC 60793-2-10:2015, *Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres*

IEC 60793-2-50, *Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres*

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

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

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

IEC 60794-1-23, *Optical fibre cables – Part 1-23: Generic specification – Basic optical cable test procedures – Cable element test methods*

IEC 60794-1-24, *Optical fibre cables – Part 1-24: Generic specification – Basic optical cable test procedures – Electrical test methods*

IEC 60794-2 (all parts), *Optical fibre cables – Part 2: Indoor 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*