

<b>STN</b>	<b>Optické káble</b> <b>Časť 2-31: Vnútorne káble</b> <b>Podrobná špecifikácia optických pásikových</b> <b>káblov na vnútornú inštaláciu</b>	<b>STN</b> <b>EN IEC</b> <b>60794-2-31</b>  35 9223
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Optical fibre cables - Part 2-31: Indoor cables - Detailed specification for optical fibre ribbon cables for use in premises cabling

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. 10/19

Obsahuje: EN IEC 60794-2-31:2019, IEC 60794-2-31:2019

Oznámením tejto normy sa od 17.05.2022 ruší  
STN EN 60794-2-31 (35 9223) z augusta 2013

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EUROPEAN STANDARD

**EN IEC 60794-2-31**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2019

ICS 33.180.10

Supersedes EN 60794-2-31:2013

English Version

**Optical fibre cables - Part 2-31: Indoor cables - Detailed  
specification for optical fibre ribbon cables for use in premises  
cabling  
(IEC 60794-2-31:2019)**

Câbles à fibres optiques - Partie 2-31: Câbles intérieurs -  
Spécification particulière pour les câbles à fibres optiques  
en ruban utilisés dans le câblage de locaux  
(IEC 60794-2-31:2019)

Lichtwellenleiterkabel - Teil 2-31: LWL-Innenkabel -  
Bauartspezifikation für LWL-Bandkabel für  
anwendungsneutrale Standortverkabelung  
(IEC 60794-2-31:2019)

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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 60794-2-31:2019 (E)****European foreword**

The text of document 86A/1923/FDIS, future edition 3 of IEC 60794-2-31, 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 60794-2-31:2019.

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) 2020-02-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-05-17

This document supersedes EN 60794-2-31:2013.

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**Endorsement notice**

The text of the International Standard IEC 60794-2-31:2019 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 IEC 60794-1-22
IEC 60794-1-23	NOTE	Harmonized as EN 60794-1-23
IEC 60794-2	NOTE	Harmonized as EN 60794-2

## 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 60793-2-10	— <sup>1</sup>	Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres	EN IEC 60793-2-10	— <sup>2</sup>
IEC 60793-2-50	2018	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN IEC 60793-2-50	2019
IEC 60794-1-1	2015	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	2016
IEC 60794-2-10	2011	Optical fibre cables - Part 2-10: Indoor optical fibre cables - Family specification for simplex and duplex cables	EN 60794-2-10	2011
IEC 60794-2-30	-	Optical fibre cables - Part 2-30: Indoor cables - Family specification for optical fibre ribbon cables for use in terminated cable assemblies	EN IEC 60794-2-30	-

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<sup>1</sup> Under preparation. Stage at the time of publication: IEC DECFDIS 60793-2-10:2019.

<sup>2</sup> Under preparation. Stage at the time of publication: FprEN IEC 60793-2-10:2019.



# IEC 60794-2-31

Edition 3.0 2019-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Optical fibre cables –  
Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables  
for use in premises cabling**

**Câbles à fibres optiques –  
Partie 2-31: Câbles intérieurs – Spécification particulière pour les câbles à fibres  
optiques en ruban utilisés dans le câblage de locaux**



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IEC 60794-2-31

Edition 3.0 2019-04

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# NORME INTERNATIONALE

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optiques en ruban utilisés dans le câblage de locaux**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**OPTICAL FIBRE CABLES –****Part 2-31: Indoor cables –  
Detailed specification for optical fibre ribbon cables  
for use in premises cabling****FOREWORD**

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International Standard IEC 60794-2-31 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 2012. It constitutes a technical revision.

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

- a) incorporation of the OM5 cabled fibre performance category;
- b) incorporation of the OS1a cabled fibre performance category;
- c) 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:

FDIS	Report on voting
86A/1923/FDIS	86A/1933/RVD

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 document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the 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 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.

## OPTICAL FIBRE CABLES –

### Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling

#### 1 Scope

This part of IEC 60794 presents the detailed requirements specific to this type of cable to ensure compatibility with the series of International Standards ISO/IEC 11801, *Information technology – Generic cabling for customer premises* (Parts 1 to 6).

The requirements of family specification IEC 60794-2-30 are applicable to cables covered by this document.

The particular requirements detailed in Clause 4 define either a specific option in relation to the requirements of IEC 60794-2-30 or additional requirements.

#### 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 60793-2-10:—, *Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres*<sup>1</sup>

IEC 60793-2-50:2018, *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 60794-2-10:2011, *Optical fibre cables – Part 2-10: Indoor optical fibre cables – Family specification for simplex and duplex cables*

IEC 60794-2-30, *Optical fibre cables – Part 2-30: Indoor cables – Family specification for ribbon cables*

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

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<sup>1</sup> Edition 7 under preparation. Stage at the time of publication: IEC DECFDIS 60793-2-10:2019.