

# SLOVENSKI STANDARD

## SIST EN IEC 60794-2-21:2019

01-september-2019

Nadomešča:  
SIST EN 60794-2-21:2012

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**Optični kabli - 2-21. del: Notranji optični kabli - Podrobna specifikacija za razdelilne večvlakenske optične kable za okablenje prostorov (IEC 60794-2-21:2019)**

Optical fibre cables - Part 2-21: Indoor cables - Detailed specification for multi-fibre optical distribution cables for use in premises cabling (IEC 60794-2-21:2019)

Lichtwellenleiterkabel - Teil 2-21: LWL-Innenkabel - Bauartspezifikation für Mehrfaserverteilerkabel für anwendungsneutrale Standortverkabelung (IEC 60794-2-21:2019)

[SIST EN IEC 60794-2-21:2019](https://standards.iteh.ai/catalog/standards/sist/d2de92c7-7864-4c81-a213-70cc04b6125a/iec-60794-2-21-2019)

Câbles à fibres optiques - Partie 2-21: Câbles à fibres optiques intérieurs - Spécification particulière pour les câbles optiques multi-fibres de distribution utilisés dans le câblage de locaux (IEC 60794-2-21:2019)

**Ta slovenski standard je istoveten z: EN IEC 60794-2-21:2019**

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33.180.10 (Optična) vlakna in kabli Fibres and cables

**SIST EN IEC 60794-2-21:2019 en**

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EUROPEAN STANDARD

**EN IEC 60794-2-21**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2019

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Supersedes EN 60794-2-21:2012

English Version

Optical fibre cables - Part 2-21: Indoor cables - Detailed  
specification for multi-fibre optical distribution cables for use in  
premises cabling  
(IEC 60794-2-21:2019)

Câbles à fibres optiques - Partie 2-21: Câbles intérieurs -  
Spécification particulière pour les câbles optiques  
multifibres de distribution utilisés dans le câblage de locaux  
(IEC 60794-2-21:2019)

Lichtwellenleiterkabel - Teil 2-21: LWL-Innenkabel -  
Bauartspezifikation für Mehrfaserverteilerkabel für  
anwendungsneutrale Standortverkabelung  
(IEC 60794-2-21:2019)

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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 60794-2-21:2019 (E)****European foreword**

The text of document 86A/1925/FDIS, future edition 3 of IEC 60794-2-21, 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 60794-2-21:2019.

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 60794-2-21:2012.

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The text of the International Standard IEC 60794-2-21:2019 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
IEC 60794-2-10:2011	NOTE	Harmonized as EN 60794-2-10:2011 (not modified)

## 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: General specification - General	EN 60794-1-1	2016
IEC 60794-2-20	2013	Optical fibre cables - Part 2-20: Indoor cables - Family specification for multi-fibre optical cables	EN 60794-2-20	2014

<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.

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IEC 60794-2-21

Edition 3.0 2019-04

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Optical fibre cables –**  
**Part 2-21: Indoor cables – Detailed specification for multi-fibre optical  
distribution cables for use in premises cabling**

**Câbles à fibres optiques –**  
**Partie 2-21: Câbles intérieurs – Spécification particulière pour les câbles  
optiques multifibres de distribution utilisés dans le câblage de locaux**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## OPTICAL FIBRE CABLES –

**Part 2-21: Indoor cables –  
Detailed specification for multi-fibre optical distribution cables  
for use in premises cabling**

## FOREWORD

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International Standard IEC 60794-2-21 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.