
Optični kabli - 2-11. del: Notranji optični kabli - Podrobna specifikacija za simpleksne in dupleksne kable za okablenje prostorov - Dopolnilo A1 (IEC 60794-2-11:2019/A1:2020)

Optical fibre cables - Part 2-11: Indoor cables - Detailed specification for simplex and duplex cables for use in premises cabling (IEC 60794-2-11:2019/A1:2020)

Lichtwellenleiterkabel - Teil 2-11: LWL-Innenkabel - Bauartspezifikation für Simplex- und Duplexkabel für anwendungsneutrale Standortverkabelung (IEC 60794-2-11:2019/A1:2020)

Câbles à fibres optiques - Partie 2-11: Câbles intérieurs - Spécification particulière pour les câbles simplex et duplex utilisés dans le câblage de locaux (IEC 60794-2-11:2019/A1:2020)

Ta slovenski standard je istoveten z: EN IEC 60794-2-11:2019/A1:2021

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33.180.10 (Optična) vlakna in kabli Fibres and cables

SIST EN IEC 60794-2-11:2019/A1:2021 en

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EUROPEAN STANDARD

EN IEC 60794-2-11:2019/A1

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English Version

Optical fibre cables - Part 2-11: Indoor cables - Detailed
specification for simplex and duplex cables for use in premises
cabling
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Câbles à fibres optiques - Partie 2-11: Câbles intérieurs -
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Lichtwellenleiterkabel - Teil 2-11: LWL-Innenkabel -
Bauartspezifikation für Simplex- und Duplexkabel für
anwendungsneutrale Standortverkabelung
(IEC 60794-2-11:2019/A1:2020)

This amendment A1 modifies the European Standard EN IEC 60794-2-11:2019; it was approved by CENELEC on 2020-12-23. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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.

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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 60794-2-11:2019/A1:2021 (E)**European foreword**

The text of document 86A/2011/CDV, future IEC 60794-2-11/A1, 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 60794-2-11:2019/A1:2021.

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) 2021-09-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-12-23

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Endorsement notice

The text of the International Standard IEC 60794-2-11:2019/A1:2020 was approved by CENELEC as a European Standard without any modification.

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IEC 60794-2-11

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INTERNATIONAL STANDARD

AMENDMENT 1

Optical fibre cables –
Part 2-11: Indoor cables – Detailed specification for simplex and duplex cables
for use in premises cabling

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OPTICAL FIBRE CABLES –

**Part 2-11: Indoor cables –
Detailed specification for simplex and duplex cables
for use in premises cabling****AMENDMENT 1**

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This amendment has been prepared by subcommittee SC 86A: Fibres and cables, of IEC technical committee TC 86: Fibre optics.

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

Draft	Report on voting
86A/2011/CDV	86A/2054/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 Amendment is English.

IEC 60794-2-11:2019/AMD1:2020

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- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
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INTRODUCTION to Amendment

This amendment adds an important update considered during the development of the base publication IEC 60794-2-11:2019.

As regards minimum multimode fibre bandwidth requirements (Table 3), this amendment provides new guidance as concerns effective modal bandwidth in the 840 nm to 953 nm wavelength range which was not considered mature enough during the development of IEC 60794-2-11:2019.

It is expected that the content of this amendment will be incorporated into the future edition 4 of IEC 60794-2-11.

Table 3 – Minimum multimode fibre bandwidth (MHz·km)

Replace the existing table with the following new table:

Fibre	Nominal core diameter (µm)	Overfilled launch bandwidth at 850 nm	Overfilled launch bandwidth at 953 nm	Overfilled launch bandwidth at 1 300 nm	Effective modal bandwidth at 850 nm	Effective modal bandwidth at 953 nm	Performance codes
IEC 60793-2-10, A1-OM3	50	1 500	Not specified	500	2 000	Not specified	OM3
IEC 60793-2-10, A1-OM4	50	3 500	Not specified	500	4 700	Not specified	OM4
IEC 60793-2-10, A1-OM5	50	3 500	1 850	500	4 700	2 470	OM5

NOTE Effective modal bandwidth guidance is provided at all wavelengths in the 840 nm to 953 nm range in IEC 60793-2-10. For OM3, the guidance is 1 033 MHz·km at 953 nm. For OM4, the guidance is 1 459 MHz·km at 953 nm.