

INTERNATIONAL STANDARD

AMENDMENT 1

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

STANDARD PREVIEW
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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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OPTICAL FIBRE CABLES –

**Part 2-11: Indoor cables –
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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.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications/.

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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.



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3, rue de Varembé

PO Box 131

CH-1211 Geneva 20

Switzerland

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Tel: + 41 22 919 02 11

info@iec.ch

www.iec.ch