

INTERNATIONAL STANDARD

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Optical fibre cables –

Part 2-30: Indoor cables – Family specification for optical fibre ribbon cables for use in terminated cable assemblies

Câbles à fibres optiques –

Partie 2-30: Câbles intérieurs – Spécification de famille pour les câbles à rubans de fibres optiques utilisés dans les assemblages de câbles connectés



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OPTICAL FIBRE CABLES –**Part 2-30: Indoor cables –
Family specification for optical fibre ribbon
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International Standard IEC 60794-2-30 has been prepared by sub-committee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 2008. This edition constitutes a technical revision.

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

- a) removal of Annex C;
- b) reference to the most recent fibre standards;
- c) reference to IEC 60794-1-21, IEC 60794-1-22, IEC 60794-1-23 and IEC 60794-1-24.

This standard is to be used in conjunction with IEC 60794-1-1, IEC 60794-1-2 and IEC 60794-2.

The text of this International Standard is based on the following documents:

CDV	Report on voting
86A/1704/CDV	86A/1808/RVC

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 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

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OPTICAL FIBRE CABLES –

Part 2-30: Indoor cables – Family specification for optical fibre ribbon cables for use in terminated cable assemblies

1 Scope

This part of IEC 60794 is a family specification which covers indoor optical fibre ribbon cables for use in terminated cable assemblies. The requirements of the sectional specification IEC 60794-2 are applicable to cables covered by this document.

The requirements of this document are written to define flat ribbon cables. This document can be applicable to other cable constructions. Parts of IEC 60794-3 which are applicable for ribbon tests are the subject of IEC 60794-1-31.

Annex B contains requirements that supersede the normal requirements in case the cables are intended to be used in installation governed by the MICE table of ISO 11801-3 [4]¹.

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.

NOTE These reference complete the normative references already listed in the generic specifications (IEC 60794-1-1 and IEC 60794-1-2).

IEC 60304, *Standard colours for insulation for low-frequency cables and wires*

IEC 60793-1-20, *Optical fibres – Part 1-20: Measurement methods and test procedures – Fibre geometry*

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

IEC 60793-1-44, *Optical fibres – Part 1-44: Measurement methods and test procedures – Cut-off wavelength*

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

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

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

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

¹ Numbers in square brackets refer to the Bibliography.