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IEC 60794-2-40

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INTERNATIONAL STANDARD

**Optical fibre cables –
Part 2-40: Indoor optical fibre cables – Family specification for A4 fibre cables**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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OPTICAL FIBRE CABLES –

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FOREWORD

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International Standard IEC 60794-2-40 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 2003, of which it constitutes a technical revision. In addition to covering buffered A4 fibres, as did the first edition, this second edition now also covers cabled A4 fibres.

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 standard is based on the following documents:

CDV	Report on voting
86A/1124A/CDV	86A/1153/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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

A list of all parts of 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 publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

OPTICAL FIBRE CABLES –

Part 2-40: Indoor optical fibre cables – Family specification for A4 fibre cables

1 Scope

This part of IEC 60794 is a family specification covering buffered A4 fibres and cabled A4 fibres for indoor use. See IEC 60794-2-41 and IEC 60794-2-42 for blank detail specifications.

2 Normative references

The following referenced documents are indispensable for the application 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 The normative references given in IEC 60794-1-1 and IEC 60794-1-2 are also of interest.

IEC 60189-1, *Low-frequency cables and wires with PVC insulation and PVC sheath – Part 1: General test and measuring methods.*

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

IEC 60793-1-21, *Optical fibres – Part 1-21: Measurement methods and test procedures – Coating geometry*

IEC 60793-2-40, *Optical fibres – Part 2-40: Product specifications – Sectional specification for category A4 multimode fibres*

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

IEC 60794-1-2, *Optical fibre cables – Part 1-2: Generic specification – Basic optical cable test procedures*

IEC 60794-2, *Indoor cables – Sectional specification*