

# INTERNATIONAL STANDARD

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**Optical fibre cables –  
Part 2-41: Indoor cables – Product specification for simplex and duplex buffered  
A4 fibres**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

PRICE CODE

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## CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references .....	5
3 Construction.....	6
3.1 General.....	6
3.2 Optical fibres.....	6
3.3 Buffer.....	6
3.4 Strength and anti-buckling members .....	6
3.5 Ripcord .....	6
3.6 Sheath .....	6
3.7 Marking.....	6
3.8 Identification.....	6
3.9 Examples of constructions.....	6
4 Dimensions .....	7
5 Tests.....	7
5.1 General.....	7
5.2 Dimensions .....	7
5.3 Mechanical requirements.....	7
5.3.1 General .....	7
5.3.2 Tensile performance.....	8
5.3.3 Crush .....	8
5.3.4 Impact.....	8
5.3.5 Bend.....	8
5.3.6 Repeated bending .....	9
5.3.7 Bend at low temperature.....	9
5.3.8 Flexing .....	9
5.3.9 Torsion.....	9
5.3.10 Kink.....	9
5.4 Environmental requirements.....	9
5.4.1 Mechanical environmental requirement.....	10
5.4.2 Transmission environmental requirements.....	11
5.5 Transmission requirements .....	11
5.6 Fire performance.....	11
Annex A (informative) Blank detail specification.....	12
Bibliography.....	22
Figure 1 – Examples of buffered fibres.....	7
Table 1 – Dimensions of buffered fibre.....	7
Table 2 – Minimum tensile load for 4 % elongation .....	8
Table 3 – Environmental exposure tests .....	10
Table 4 – Attributes measured .....	10
Table 5 – Requirement for tensile strength.....	10
Table 6 – Requirement for change in attenuation .....	11
Table A.1 – Required tests.....	19

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## OPTICAL FIBRE CABLES –

**Part 2-41: Indoor cables –  
Product specification for simplex and duplex buffered A4 fibres**

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International Standard IEC 60794-2-41 has been prepared by sub-committee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This standard is to be used in conjunction with IEC 60794-1-1 and IEC 60794-1-2, and IEC 60794-2. A blank detail specification is provided in Annex A.

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

FDIS	Report on voting
86A/1215/FDIS	86A/1227/RVD

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.

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## OPTICAL FIBRE CABLES –

### Part 2-41: Indoor cables – Product specification for simplex and duplex buffered A4 fibres

#### 1 Scope

This part of IEC 60794 covers simplex and duplex buffered A4a through A4g fibres for indoor use. These may be cut into short lengths, which can be used in patchcord cable assemblies. The requirements of sectional specification IEC 60794-2 are applicable to cables covered by this standard.

#### 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.

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 60793-1-46, *Optical fibres – Part 1-46: Measurement methods and test procedures – Monitoring of changes in optical transmission*

IEC 60793-1-50, *Optical fibres – Part 1-50: Measurement methods and test procedures – Damp heat (steady state)*

IEC 60793-1-51, *Optical fibres – Part 1-51: Measurement methods and test procedures – Dry heat*

IEC 60793-1-52, *Optical fibres – Part 1-52: Measurement methods and test procedures – Change of temperature*

IEC 60793-2-40, *Optical fibres – Part 2-40: Product specifications – Sectional specification for category 14 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 60794-2:2002, *Optical fibre cables – Part 2: Indoor cables – Sectional specification*