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Optical fibre cables – Part 2: Indoor cables – Sectional specification (IEC 60794-2:2002)

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EUROPEAN STANDARD

**EN 60794-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2003

ICS 33.180.10

English version

**Optical fibre cables  
Part 2: Indoor cables -  
Sectional specification  
(IEC 60794-2:2002)**

Câbles à fibres optiques  
Partie 2: Câbles intérieurs -  
Spécification intermédiaire  
(CEI 60794-2:2002)

Lichtwellenleiterkabel  
Teil 2: Innenkabel -  
Rahmenspezifikation  
(IEC 60794-2:2002)

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This European Standard was approved by CENELEC on 2002-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of document 86A/819/FDIS, future edition 3 of IEC 60794-2, prepared by SC 86A, Fibres and cables, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60794-2 on 2002-12-01.

This standard shall be used in conjunction with EN 60794-1-1:2002 and EN 60794-1-2:1999.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-12-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex ZA is normative.  
Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60794-2:2002 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA**  
(normative)

**Normative references to international publications  
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60304	1982	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	1984
IEC 60332-3-24	2000	Tests on electric cables under fire conditions Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C	-	-

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NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC

60794-2

Troisième édition  
Third edition  
2002-12

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Câbles à fibres optiques –

Partie 2:  
Câbles intérieurs –  
Spécification intermédiaire

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Indoor cables –  
Sectional specification

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International Electrotechnical Commission, 3, rue de Varembe, PO Box 131, CH-1211 Geneva 20, Switzerland  
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: [inmail@iec.ch](mailto:inmail@iec.ch) Web: [www.iec.ch](http://www.iec.ch)



Commission Electrotechnique internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

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Pour prix, voir catalogue en vigueur  
For price, see current catalogue

## CONTENTS

FOREWORD.....	5
1 Scope.....	9
2 Normative references.....	9
3 Construction .....	9
3.1 General.....	9
3.2 Optical fibres and primary coating .....	9
3.3 Buffer.....	9
3.4 Ruggedized fibre .....	9
3.5 Slotted core.....	11
3.6 Tube.....	11
3.7 Stranded loose tube .....	11
3.8 Ribbon structure.....	11
3.9 Strength and anti-buckling members .....	11
3.10 Ripcord.....	11
3.11 Sheath.....	11
3.12 Sheath marking .....	11
3.13 Identification.....	11
3.14 Examples of cable constructions.....	13
4 Tests .....	15
4.1 Dimensions .....	15
4.2 Mechanical requirements.....	15
4.3 Environmental requirements.....	17
4.4 Transmission requirements .....	17
4.5 Fire performance.....	17
5 Packaging.....	17
6 Quality assurance.....	17
Table 1 – Colour coding sequence for individual fibres or buffers.....	13
Table 2 – Colour coding scheme for tubes in hybrid cables .....	13
Table 3 – Colour coding of cable outer sheaths.....	13



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## OPTICAL FIBRE CABLES –

Part 2: Indoor cables –  
Sectional specification

## FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

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

This standard shall be used in conjunction with IEC 60794-1-1 and IEC 60794-1-2.

This third edition cancels and replaces the second edition, published in 1989, its amendment 1, published in 1998, and constitutes a technical revision.

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

FDIS	Report on voting
86A/819/FDIS	86A/831/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 3.