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Standards

Irish Standard
I.S. EN 60794-2-10:2011

Optical fibre cables -- Part 2-10: Indoor optical fibre cables - Family specification for simplex and duplex cables (IEC 60794-2-10:2011 (EQV))

I.S. EN 60794-2-10:2011

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

October 2011

ICS 33.180.10

Supersedes EN 60794-2-10:2003

English version

**Optical fibre cables -
Part 2-10: Indoor optical fibre cables -
Family specification for simplex and duplex cables
(IEC 60794-2-10:2011)**

Câbles à fibres optiques -
Partie 2-10: Câbles intérieurs à fibres
optiques -
Spécification de famille pour les câbles
simplex et duplex
(CEI 60794-2-10:2011)

Lichtwellenleiterkabel -
Teil 2-10: LWL-Innenkabel -
Familienspezifikation für Simplex- und
Duplexkabel
(IEC 60794-2-10:2011)

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86A/1396/FDIS, future edition 2 of IEC 60794-2-10, prepared by SC 86A, Fibres and cables, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60794-2-10:2011.

This document supersedes EN 60794-2-10:2003.

The main changes with respect to EN 60794-2-10:2003 are as follows:

- A new clause has been introduced: Clause 4 – Dimensions.
- Test conditions and requirements have been made more accurate.
- The new Subclause 5.5 has been added to give useful figures.

EN 60794-2-10:2011 is to be used in conjunction with EN 60794-1-1, EN 60794-1-2 and EN 60794-2.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-06-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-09-14

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Endorsement notice

The text of the International Standard IEC 60794-2-10:2011 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

- | | | |
|---------------|------|-----------------------------|
| IEC 60654-4 | NOTE | Harmonized as EN 60654-4. |
| IEC 60721-1 | NOTE | Harmonized as EN 60721-1. |
| IEC 60721-3-3 | NOTE | Harmonized as EN 60721-3-3. |
| IEC 61000-6-2 | NOTE | Harmonized as EN 61000-6-2. |
| IEC 61918 | NOTE | Harmonized as EN 61918. |

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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 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	-	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	-
IEC 60793-1-20	-	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry	EN 60793-1-20	-
IEC 60793-1-21	-	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry	EN 60793-1-21	-
IEC 60793-1-40	-	Optical fibres - Part 1-40: Measurement methods and test procedures - Attenuation	EN 60793-1-40	-
IEC 60793-1-44	-	Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wavelength	EN 60793-1-44	-
IEC 60793-2	-	Optical fibres - Part 2: Product specifications - General	EN 60793-2	-
IEC 60793-2-10	-	Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres	EN 60793-2-10	-
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	-
IEC 60794-1-1	2001	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	2002
IEC 60794-1-2	2003	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures	EN 60794-1-2	2003
IEC 60794-2	-	Optical fibre cables - Part 2: Indoor cables - Sectional specification	EN 60794-2	-
IEC 60811-1-1	-	Insulating and sheathing materials of electric and optical cables - Common test methods - Part 1-1: General application - Measurement of thickness and overall dimensions - Tests for determining the mechanical properties	EN 60811-1-1	-

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –

Part 2-10: Indoor optical fibre cables – Family specification for simplex and duplex cables

FOREWORD

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International Standard IEC 60794-2-10 has been prepared by sub-committee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 2003. It constitutes a technical revision.

The main changes with respect to the previous edition are as follows:

- A new clause has been introduced: Clause 4 – Dimensions.
- Test conditions and requirements have been made more accurate.
- The new Subclause 5.5 has been added to give useful figures.

This standard is to be used in conjunction with IEC 60794-1-1:2008, IEC 60794-1-2:2007 and IEC 60794-2.

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

FDIS	Report on voting
86A/1396/FDIS	86A/1412/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 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 stability 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.

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