



NSAI
Standards

Irish Standard
I.S. EN 60794-2-42:2008

Optical fibre cables -- Part 2-42: Indoor optical fibre cables - Product specification for simplex and duplex cables with A4 fibres (IEC 60794-2-42:2008 (EQV))

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I.S. EN 60794-2-42:2008

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I.S. EN 60794-2-42:2008

EUROPEAN STANDARD

EN 60794-2-42

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2008

ICS 33.180.10

English version

**Optical fibre cables -
Part 2-42: Indoor optical fibre cables -
Product specification for simplex and duplex cables with A4 fibres
(IEC 60794-2-42:2008)**

Câbles à fibres optiques -
Partie 2-42: Câbles intérieurs
à fibres optiques -
Spécification de produit pour les câbles
simplex et duplex munis de fibres A4
(CEI 60794-2-42:2008)

Lichtwellenleiterkabel -
Teil 2-42: LWL-Innenkabel -
Produktspezifikation für Simplex- und
Duplexkabel mit Fasern der Kategorie A4
(IEC 60794-2-42:2008)

This European Standard was approved by CENELEC on 2008-05-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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

I.S. EN 60794-2-42:2008

EN 60794-2-42:2008

- 2 -

Foreword

The text of document 86A/1126/CDV, future edition 1 of IEC 60794-2-42, prepared by SC 86A, Fibres and cables, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 60794-2-42 on 2008-05-01.

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

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) 2009-02-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2011-05-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60794-2-42:2008 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 60793-1-40	NOTE	Harmonized as EN 60793-1-40:2003 (modified).
IEC 60793-1-41	NOTE	Harmonized as EN 60793-1-41:2003 (not modified).
IEC 60793-1-50	NOTE	Harmonized as EN 60793-1-50:2002 (not modified).
IEC 60793-1-51	NOTE	Harmonized as EN 60793-1-51:2002 (not modified).
IEC 60793-2-52	NOTE	Harmonized as EN 60793-1-52:2002 (not modified).

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

NOTE 2 Where a standard cited below belongs to the EN 50000 series, the European Standard applies instead of the relevant International Standard.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60189-1	- ¹⁾	Low-frequency cables and wires with PVC insulation and PVC sheath - Part 1: General test and measuring methods	-	-
IEC 60654-4	- ¹⁾	Operating conditions for industrial-process measurement and control equipment - Part 4: Corrosive and erosive influences	EN 60654-4	1997 ²⁾
IEC 60721-1	- ¹⁾	Classification of environmental conditions - Part 1: Environmental parameters and their severities	EN 60721-1	1995 ²⁾
IEC 60721-3-3	- ¹⁾	Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 3: Stationary use at weather protected locations	EN 60721-3-3	1995 ²⁾
IEC 60793-1-20	- ¹⁾	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry	EN 60793-1-20	2002 ²⁾
IEC 60793-1-21	- ¹⁾	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry	EN 60793-1-21	2002 ²⁾
IEC 60793-2-40	- ¹⁾	Optical fibres - Part 2-40: Product specifications - Sectional specification for category A4 multimode fibres	EN 60793-2-40	2006 ²⁾
IEC 60794-1-1	- ¹⁾	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	2002 ²⁾
IEC 60794-1-2	- ¹⁾	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures	EN 60794-1-2	2003 ²⁾
IEC 60794-2	- ¹⁾	Optical fibre cables - Part 2: Indoor cables - Sectional specification	EN 60794-2	2003 ²⁾
IEC 60811-1-1	- 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	1995 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

I.S. EN 60794-2-42:2008

EN 60794-2-42:2008

- 4 -

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60811-1-4	1985	Insulating and sheathing materials of electric and optical cables - Common test methods - Part 1-4: General application - Tests at low temperature	EN 60811-1-4 ³⁾	1995
IEC/TS 61000-2-5	- ¹⁾	Electromagnetic compatibility (EMC) - Part 2: Environment – Section 5: Classification of electromagnetic environments - Basic EMC publication	-	-
IEC 61000-6-2	- ¹⁾	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	EN 61000-6-2 + corr. September	2005 ²⁾ 2005
IEC 61326	Series	Electrical equipment for measurement, control and laboratory use - EMC requirements	EN 61326	Series
ISO/IEC 11801	- ¹⁾	Information technology - Generic cabling for customer premises	EN 50173-1 ⁴⁾ and EN 50173-2 ⁵⁾	- ¹⁾
ISO/IEC 24702	- ¹⁾	Information technology - Generic cabling - Industrial premises	EN 50173-1 ⁴⁾ and EN 50173-3 ⁶⁾	- ¹⁾

³⁾ EN 60811-1-4 includes A1:2001 to IEC 60811-1-4 + corr. May 1986.

⁴⁾ The title of EN 50173-1 is: *Information technology – Generic cabling systems – Part 1: General requirements.*

⁵⁾ The title of EN 50173-2 is: *Information technology – Generic cabling systems – Part 2: Office premises.*

⁶⁾ The title of EN 50173-3 is: *Information technology – Generic cabling systems – Part 3: Industrial premises.*

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