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Standards

Irish Standard  
I.S. EN 60794-2-41:2008

# Optical fibre cables -- Part 2-41: Indoor cables - Product specification for simplex and duplex buffered A4 fibres (IEC 60794-2-41:2008 (EQV))

## I.S. EN 60794-2-41:2008

*Incorporating amendments/corrigenda issued since publication:*

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|--|--|---|
| <i>This document replaces:</i>   | <i>This document is based on:</i><br>EN 60794-2-41:2008                    | <i>Published:</i><br>26 September, 2008                                   |
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**I.S. EN 60794-2-41:2008**

**EUROPEAN STANDARD**

**EN 60794-2-41**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

September 2008

ICS 33.180.10

English version

**Optical fibre cables -  
Part 2-41: Indoor cables -  
Product specification for simplex and duplex buffered A4 fibres  
(IEC 60794-2-41:2008)**

Câbles à fibres optiques -  
Partie 2-41: Câbles intérieurs -  
Spécification de produit pour câbles  
simplex et duplex munis de fibres A4  
sous revêtement protecteur  
(CEI 60794-2-41:2008)

Lichtwellenleiterkabel -  
Teil 2-41: Innenkabel -  
Produktspezifikation für ummantelte  
Simplex- und Duplexfasern  
der Kategorie A4  
(IEC 60794-2-41:2008)

This European Standard was approved by CENELEC on 2008-08-01. 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 60794-2-41:2008

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### Foreword

The text of document 86A/1215/FDIS, future edition 1 of IEC 60794-2-41, 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 60794-2-41 on 2008-08-01.

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

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) 2009-05-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2011-08-01

Annex ZA has been added by CENELEC.

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### Endorsement notice

The text of the International Standard IEC 60794-2-41:2008 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 60654      | NOTE | Harmonized in EN 60654 series (not modified).    |
| IEC 60654-4    | NOTE | Harmonized as EN 60654-4:1997 (not modified).    |
| IEC 60721      | NOTE | Harmonized in EN 60721 series (not modified).    |
| IEC 60721-1    | NOTE | Harmonized as EN 60721-1:1995 (not modified).    |
| IEC 60721-3-3  | NOTE | Harmonized as EN 60721-3-3:1995 (not modified).  |
| 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 60794-2-40 | NOTE | Harmonized as EN 60794-2-40:2008 (not modified). |
| IEC 61000-6-2  | NOTE | Harmonized as EN 61000-6-2:2005 (not modified).  |
| IEC 61326      | NOTE | Harmonized in EN 61326 series (not modified).    |
| IEC 61918      | NOTE | Harmonized as EN 61918:2008 (modified).          |

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## 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 60189-1        | - <sup>1)</sup> | Low-frequency cables and wires with PVC insulation and PVC sheath -<br>Part 1: General test and measuring methods       | -             | -                  |
| IEC 60793-1-20     | - <sup>1)</sup> | Optical fibres -<br>Part 1-20: Measurement methods and test procedures - Fibre geometry                                 | EN 60793-1-20 | 2002 <sup>2)</sup> |
| IEC 60793-1-21     | - <sup>1)</sup> | Optical fibres -<br>Part 1-21: Measurement methods and test procedures - Coating geometry                               | EN 60793-1-21 | 2002 <sup>2)</sup> |
| IEC 60793-1-46     | - <sup>1)</sup> | Optical fibres -<br>Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical transmittance | EN 60793-1-46 | 2002 <sup>2)</sup> |
| IEC 60793-1-50     | - <sup>1)</sup> | Optical fibres -<br>Part 1-50: Measurement methods and test procedures - Damp heat (steady state)                       | EN 60793-1-50 | 2002 <sup>2)</sup> |
| IEC 60793-1-51     | - <sup>1)</sup> | Optical fibres -<br>Part 1-51: Measurement methods and test procedures - Dry heat                                       | EN 60793-1-51 | 2002 <sup>2)</sup> |
| IEC 60793-1-52     | - <sup>1)</sup> | Optical fibres -<br>Part 1-52: Measurement methods and test procedures - Change of temperature                          | EN 60793-1-52 | 2002 <sup>2)</sup> |
| IEC 60793-2-40     | - <sup>1)</sup> | Optical fibres -<br>Part 2-40: Product specifications - Sectional specification for category A4 multimode fibres        | EN 60793-2-40 | 2006 <sup>2)</sup> |
| IEC 60794-1-1      | - <sup>1)</sup> | Optical fibre cables -<br>Part 1-1: Generic specification - General   | EN 60794-1-1  | 2002 <sup>2)</sup> |
| IEC 60794-1-2      | - <sup>1)</sup> | Optical fibre cables -<br>Part 1-2: Generic specification - Basic optical cable test procedures                         | EN 60794-1-2  | 2003 <sup>2)</sup> |
| IEC 60794-2        | 2002            | Optical fibre cables -<br>Part 2: Indoor cables - Sectional specification   | EN 60794-2    | 2003               |

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



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