



**NSAI**  
Standards

Irish Standard  
I.S. EN 60794-3-40:2008

Optical fibre cables -- Part 3-40:  
Outdoor cables - Family specification  
for sewer cables and conduits for  
installation by blowing and/or pulling in  
non-man accessible storm and sanitary  
sewers (IEC 60794-3-40:2008 (EQV))

## I.S. EN 60794-3-40:2008

*Incorporating amendments/corrigenda issued since publication:*

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**EUROPEAN STANDARD**

**EN 60794-3-40**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

December 2008

ICS 33.180.10

English version

**Optical fibre cables -  
Part 3-40: Outdoor cables -  
Family specification for sewer cables and conduits  
for installation by blowing and/or pulling  
in non-man accessible storm and sanitary sewers  
(IEC 60794-3-40:2008)**

Câbles à fibres optiques -  
Partie 3-40: Câbles extérieurs -  
Spécification de famille  
relative aux câbles et conduits  
cheminant dans les égouts destinés  
à être installés par soufflage et/ou tirage  
dans les conduites d'eaux usées pluviales  
et sanitaires inaccessibles  
(CEI 60794-3-40:2008)

Lichtwellenleiterkabel -  
Teil 3-40: Außenkabel -  
Familienspezifikation  
für Kabel in Abwasserkanälen  
für die Verlegung durch Einblasen  
und/oder Einziehen in nicht zugänglichen  
Regenwasser- und Abwasserkanälen  
(IEC 60794-3-40:2008)

This European Standard was approved by CENELEC on 2008-11-01. 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**

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**Foreword**

The text of document 86A/1228/FDIS, future edition 1 of IEC 60794-3-40, 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 60794-3-40 on 2008-11-01.

This standard is to be used in conjunction with EN 60794-1-1, EN 60794-1-2 and EN 60794-3.

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) 2009-08-02
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2011-11-01

Annex ZA has been added by CENELEC.

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**Endorsement notice**

The text of the International Standard IEC 60794-3-40:2008 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

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	1982	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	1984
IEC 60793-1-20	- <sup>1)</sup>	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry	EN 60793-1-20	2002 <sup>2)</sup>
IEC 60793-1-40 (mod)	- <sup>1)</sup>	Optical fibres - Part 1-40: Measurement methods and test procedures - Attenuation	EN 60793-1-40	2003 <sup>2)</sup>
IEC 60793-1-44	- <sup>1)</sup>	Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wavelength	EN 60793-1-44	2002 <sup>2)</sup>
IEC 60793-2	- <sup>1)</sup>	Optical fibres - Part 2: Product specifications - General	EN 60793-2	2008 <sup>2)</sup>
IEC 60793-2-50	- <sup>1)</sup>	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	2008 <sup>2)</sup>
IEC 60794-1-1	- <sup>1)</sup>	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	2002 <sup>2)</sup>
IEC 60794-1-2	- <sup>1)</sup>	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures	EN 60794-1-2	2003 <sup>2)</sup>
IEC 60794-3	- <sup>1)</sup>	Optical fibre cables - Part 3: Sectional specification - Outdoor cables	EN 60794-3	2002 <sup>2)</sup>
IEC 60794-3-10 (mod)	- <sup>1)</sup>	Optical fibre cables - Part 3-10: Outdoor cables - Family specification for duct and directly buried optical telecommunication cables	EN 60794-3-10	2002 <sup>2)</sup>
IEC 60811-1-1	1993	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

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

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

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60811-5-1 (mod)	1990	Insulating and sheathing materials of electric and optical cables - Common test methods - Part 5-1: Methods specific to filling compounds - Drop point - Separation of oil - Lower temperature brittleness - Total acid number - Absence of corrosive components - Permittivity at 23 °C - D.C. resistivity at 23 °C and 100 °C	EN 60811-5-1	1999

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