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Optical fibre cables -- Part 5: Sectional specification - Microduct cabling for installation by blowing (IEC 60794-5:2006)

Lichtwellenleiterkabel -- Teil 5: Rahmenspezifikation - Mikrorohr-Verkabelung zur Installation durch Einblasen (IEC 60794-5:2006)

Câbles a fibres optiques -- Partie 5: Spécification intermédiaire - Câblage en micro-conduits pour installation par soufflage (IEC 60794-5:2006)

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Ta slovenski standard je istoveten z: **EN 60794-5:2007**

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**ICS:**

33.180.10      Q] cã } æD|æ } æÁ æ|ã      Fibres and cables

**SIST EN 60794-5:2007**

**en,fr,de**

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EUROPEAN STANDARD

**EN 60794-5**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2007

ICS 33.180.10

English version

**Optical fibre cables -  
Part 5: Sectional specification -  
Microduct cabling for installation by blowing  
(IEC 60794-5:2006)**

Câbles à fibres optiques -  
Partie 5: Spécification intermédiaire -  
Câblage en micro-conduits  
pour installation par soufflage  
(CEI 60794-5:2006)

Lichtwellenleiterkabel -  
Teil 5: Rahmenspezifikation -  
Mikrorohr-Verkabelung  
zur Installation durch Einblasen  
(IEC 60794-5:2006)

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This European Standard was approved by CENELEC on 2007-04-01. 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.

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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**

## Foreword

The text of document 86A/1074/FDIS, future edition 1 of IEC 60794-5, 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 60794-5 on 2007-04-01.

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

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) 2008-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-04-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60794-5:2006 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 60332	NOTE	Harmonized in EN 60332 series (not modified).
IEC 60754-2	NOTE	Harmonized as HD 602-S1:1992 (modified).
IEC 60794-2	NOTE	Harmonized as EN 60794-2:2003 (not modified).
IEC 60794-4	NOTE	Harmonized as EN 60794-4:2003 (not modified).
IEC 61034	NOTE	Harmonized in EN 61034 series (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 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	- <sup>1)</sup>	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	1984 <sup>2)</sup>
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 60793-2-10	- <sup>1)</sup>	Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres	EN 60793-2-10	2004 <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 + corr. July	2004 <sup>2)</sup> 2004
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 fibres cables - Part 3: Sectional specification - Outdoor cables	EN 60794-3	2002 <sup>2)</sup>

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

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

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INTERNATIONALE  
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CEI  
IEC

60794-5

Première édition  
First edition  
2006-08

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**Câbles à fibres optiques –**

**Partie 5:  
Spécification intermédiaire –  
Câblage en micro-conduits pour  
installation par soufflage**

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**Optical fibre cables –**

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**Part 5:  
Sectional specification –  
Microduct cabling for installation  
by blowing**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## OPTICAL FIBRE CABLES –

**Part 5: Sectional specification – Microduct cabling  
for installation by blowing**

## FOREWORD

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International Standard IEC 60794-5 has been prepared by subcommittee 86A Fibres and cables, of IEC technical committee 86: Fibre optics.

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

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

FDIS	Report on voting
86A/1074/FDIS	86A/1109/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.