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NSAI Standards

Irish Standard
I.S. EN 60794-5:2016

Optical fibre cables - Part 5: Sectional specification - Microduct cabling for installation by blowing

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I.S. EN 60794-5:2016

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This document is based on:	*Published:*
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I.S. EN 60794-5:2016 is the adopted Irish version of the European Document EN 60794-5:2016, Optical fibre cables - Part 5: Sectional specification - Microduct cabling for installation by blowing

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60794-5

December 2016

ICS 33.180.10

Supersedes EN 60794-5:2007

English Version

Optical fibre cables - Part 5: Sectional specification - Microduct cabling for installation by blowing (IEC 60794-5:2014)

Câbles à fibres optiques - Partie 5: Spécification intermédiaire - Câblage en micro-conduits pour installation par soufflage (IEC 60794-5:2014)

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European foreword

The text of document 86A/1588/CDV, future edition 2 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 approved by CENELEC as EN 60794-5:2016.

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) 2017-06-09
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-12-09

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60304	-	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	-
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 60794-1-1	-	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	-
IEC 60794-3	-	Optical fibre cables - Part 3: Outdoor cables - Sectional specification	EN 60794-3	-

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IEC 60794-5

Edition 2.0 2014-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Optical fibre cables –
Part 5: Sectional specification – Microduct cabling for installation by blowing

Câbles à fibres optiques –
Partie 5: Spécification intermédiaire – Câblage en micro-conduits pour installation par soufflage

IEC 60794-5:2014-10(en-fr)

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IEC 60794-5

Edition 2.0 2014-10

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Optical fibre cables –
Part 5: Sectional specification – Microduct cabling for installation by blowing

Câbles à fibres optiques –
Partie 5: Spécification intermédiaire – Câblage en micro-conduits pour installation par soufflage

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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 second edition cancels and replaces the first edition, published in 2006, and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- the addition of constructional requirements, including a reference to IEC 60794-3 for microduct optical fibre cables;
- the specification has been streamlined by cross-referencing IEC 60794-1-1.

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

CDV	Report on voting
86A/1588/CDV	86A/1620/RVC

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 in the 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 website 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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OPTICAL FIBRE CABLES –

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

1 Scope

This part of IEC 60794, which is a sectional specification, specifies the requirements of microduct optical fibre cables, microduct fibre units, microducts and protected microducts for installation by blowing for outdoor and/or indoor use.

The microduct optical fibre cables and microduct fibre units utilize the structure of the microduct or protected microducts to support installation and to provide protection over the design lifetime.

These products may be used for applications such as communication and transmission networks, transmission, telephone and data processing equipment, control and monitoring applications.

The cabling structures described in this sectional specification are uniquely designed to facilitate and take advantage of installation by blowing into microducts.

IEC TR 62839-1 gives rules to build an environmental declaration, if needed.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60304, *Standard colours for insulation for low-frequency cables and wires*

IEC 60793-1-40, *Optical fibres – Part 1-40: Measurement methods and test procedures – Attenuation*

IEC 60793-1-44, *Optical fibres – Part 1-44: Measurement methods and test procedures – Cut-off wavelength*

IEC 60793-2, *Optical fibres – Part 2: Product specifications – General*

IEC 60794-1-1, *Optical fibre cables – Part 1-1: Generic specification – General*

IEC 60794-3, *Optical fibre cables – Part 3: Outdoor optical fibre cables – Sectional specification*

3 Terms, definitions, symbols and abbreviations

For the purposes of this document, the terms, definitions, symbols and abbreviations are given in IEC 60794-1-1.

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