



BSI Standards Publication

Optical fibre cables

Part 3-12: Outdoor cables — Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling

National foreword

This British Standard is the UK implementation of EN 60794-3-12:2013. It is identical to IEC 60794-3-12:2012. It supersedes BS EN 60794-3-12:2006 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/86, Fibre optics, to Subcommittee GEL/86/1, Optical fibres and cables.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2013

Published by BSI Standards Limited 2013

ISBN 978 0 580 60668 7

ICS 33.180.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2013.

Amendments issued since publication

Amd. No.	Date	Text affected
----------	------	---------------

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60794-3-12

June 2013

ICS 33.180.10

Supersedes EN 60794-3-12:2006

English version

**Optical fibre cables -
Part 3-12: Outdoor cables -
Detailed specification for duct and directly buried optical
telecommunication cables for use in premises cabling
(IEC 60794-3-12:2012)**

Câbles à fibres optiques -
Partie 3-12: Câbles extérieurs -
Spécification particulière pour les câbles
optiques de télécommunication destinés à
être installés dans des conduites ou à être
directement enterrés et utilisés dans le
câblage de locaux
(CEI 60794-3-12:2012)

Lichtwellenleiterkabel -
Teil 3-12: LWL-Außenkabel -
Produktspezifikation für LWL-Fernmelde-
Erd- und Röhrenkabel für
anwendungsneutrale Standortverkabelung
(IEC 60794-3-12:2012)

This European Standard was approved by CENELEC on 2013-01-16. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

© 2013 CENELEC - All rights of exploitation in any form and by any means reserved worldwide for CENELEC members.

Ref. No. EN 60794-3-12:2013 E

AVA Documents
Document Sharing Hub

Foreword

The text of document 86A/1471/FDIS, future edition 2 of IEC 60794-3-12, 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 60794-3-12:2013.

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) 2013-12-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-01-16

This document supersedes EN 60794-3-12:2006.

EN 60794-3-12:2013 includes the following significant technical changes with respect to EN 60794-3-12:2006:

- reference to ISO/IEC 24702;
- reference to Fibre B6 (EN 60793-2-50);
- reference to Fibre A1a.3 (EN 60793-2-10);
- reference to the OS2 Fibre as defined by ISO/IEC 11801
- reference to the OM4 Fibre as defined by ISO/IEC 11801.

This International Standard is to be used in conjunction with EN 60794-1-1, EN 60794-1-2 and EN 60794-3-10.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 60794-3-12:2012 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

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 60793-2-10	2011	Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres	EN 60793-2-10	2011
IEC 60793-2-50	2012	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	2013
IEC 60794-1-1	-	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	-
IEC 60794-1-2	-	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures	EN 60794-1-2	-
IEC 60794-3	-	Optical fibre cables - Part 3: Sectional specification - Outdoor cables	EN 60794-3	-
IEC 60794-3-10	-	Optical fibre cables - Part 3-10: Outdoor cables - Family specification for duct, directly buried and lashed aerial optical telecommunication cables	EN 60794-3-10	-
ISO/IEC 11801	-	Information technology - Generic cabling for customer premises	-	-
ISO/IEC 24702	-	Information technology - Generic cabling - Industrial premises	-	-