



BSI Standards Publication

Optical fibre cables

Part 1-20: Generic specification —
Basic optical cable test procedures —
General and definitions

National foreword

This British Standard is the UK implementation of EN 60794-1-20:2014. It is identical to IEC 60794-1-20:2014. Together with BS EN 60794-1-2:2014, BS EN 60794-1-21, BS EN 60794-1-22:2012, BS EN 60794-1-23:2012 and BS EN 60794-1-24, it supersedes BS EN 60794-1-2:2003, which will be withdrawn when all the parts listed above have been published.

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 subcommittee 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.

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

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Amendments/corrigenda issued since publication

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EUROPEAN STANDARD
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EN 60794-1-20

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English version

**Optical fibre cables -
Part 1-20: Generic specification -
Basic optical cable test procedures -
General and definitions
(IEC 60794-1-20:2014)**

Câbles à fibres optiques -
Partie 1-20: Spécification générique -
Procédures fondamentales d'essais des
câbles optiques -
Généralités et définitions
(CEI 60794-1-20:2014)

Lichtwellenleiterkabel -
Teil 1-20: Fachgrundspezifikation -
Grundlegende Prüfverfahren für
Lichtwellenleiterkabel -
Grundlegendes und Definitionen
(IEC 60794-1-20:2014)

This European Standard was approved by CENELEC on 2014-02-21. 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.

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CENELEC

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

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Foreword

The text of document 86A/1476/CDV, future edition 1 of IEC 60794-1-20, 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 60794-1-20:2014.

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) 2014-11-21
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-02-21

This document supersedes EN 60794-1-2:2003 (PART).

EN 60794-1-20:2014 includes the following significant technical changes with respect to EN 60794-1-2:2003:

EN 60794-1-20:2014 cancels and replaces the general and guidance part of EN 60794-1-2:2003.

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

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 60794-1-20:2014 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 60068-2-14	NOTE	Harmonized as EN 60068-2-14.
IEC 60544 Series	NOTE	Harmonized in EN 60544 Series (not modified).
IEC 60793-1-22	NOTE	Harmonized as EN 60793-1-22.
IEC 60793-1-32	NOTE	Harmonized as EN 60793-1-32.
IEC 60793-1-54	NOTE	Harmonized as EN 60793-1-54.
IEC 60794-1-2:2003	NOTE	Harmonized as EN 60794-1-2:2003 (not modified).

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 60793-1	Series	Optical fibres - Part 1: Measurement methods and test procedures	EN 60793-1	Series
IEC 60793-1-40	-	Optical fibres - Part 1-40: Measurement methods and test procedures - Attenuation	EN 60793-1-40	-
IEC 60793-1-41	-	Optical fibres - Part 1-41: Measurement methods and test procedures - Bandwidth	EN 60793-1-41	-
IEC 60793-1-46	-	Optical fibres - Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical transmittance	EN 60793-1-46	-
IEC 60793-1-48	-	Optical fibres - Part 1-48: Measurement methods and test procedures - Polarization mode dispersion	EN 60793-1-48	-
IEC 60793-2	Series	Optical fibres	EN 60793-2	Series
IEC 60793-2-10	-	Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres	EN 60793-2-10	-
IEC 60793-2-40	-	Optical fibres - Part 40: Product specifications - Sectional specification for category A4 multimode fibres	EN 60793-2-40	-
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	-
IEC 60794-1	Series	Optical fibre cables - Part 1: Generic specification	EN 60794-1	Series
IEC 60794-1-1	-	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	-
IEC 60794-1-2	2013	Optical fibre cables - Part 1-2: Generic specification - Cross reference table for optical cable test procedures	EN 60794-1-2	2014
IEC 60794-2	Series	Optical fibre cables - Part 2: Indoor cables	EN 60794-2	Series
IEC 60794-3	Series	Optical fibre cables - Part 3: Outdoor cables	EN 60794-3	Series

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60794-3-20	-	Optical fibre cables - Part 3-20: Outdoor cables - Family specification for self-supporting aerial telecommunication cables	EN 60794-3-20	-
IEC 60794-4	-	Optical fibre cables - Part 4: Sectional specification - Aerial optical cables along electrical power lines	EN 60794-4	-
IEC 60794-5	-	Optical fibre cables - Part 5: Sectional specification - Microduct cabling for installation by blowing	EN 60794-5	-
IEC/TR 61931	-	Fibre optic - Terminology	-	-
IEC/TR 62362	-	Selection of optical fibre cable specifications - relative to mechanical, ingress, climatic or electromagnetic characteristics - Guidance	-	-
ISO/IEC Guide 98-3	-	Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)	-	-
ISO/IEC Guide 99	-	International vocabulary of metrology - Basic - and general concepts and associated terms (VIM)	-	-
ISO/IEC 11801	-	Information technology - Generic cabling for - customer premises	-	-