



NSAI
Standards

Irish Standard
I.S. EN 60794-2-22:2017

Optical fibre cables - Part 2-22: Indoor cables
- Detail specification for multi-simplex
breakout optical cables to be terminated with
connectors

I.S. EN 60794-2-22:2017

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National Foreword

I.S. EN 60794-2-22:2017 is the adopted Irish version of the European Document EN 60794-2-22:2017, Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables to be terminated with connectors

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EUROPEAN STANDARD

EN 60794-2-22

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2017

ICS 33.180.10

English Version

**Optical fibre cables - Part 2-22: Indoor cables -
Detail specification for multi-simplex breakout optical cables to
be terminated with connectors
(IEC 60794-2-22:2016)**

Câbles à fibres optiques - Partie 2-22: Câbles intérieurs -
Spécification particulière pour câbles optiques épanouis
simplex multiples munis de connecteurs
(IEC 60794-2-22:2016)

Lichtwellenleiterkabel - Teil 2-22: LWL-Innenkabel -
Bauartspezifikation für mit Steckverbinder abzuschließende
Simplex-Breakout-Kabel
(IEC 60794-2-22:2016)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 60794-2-22:2017

European foreword

The text of document 86A/1765/FDIS, future edition 1 of IEC 60794-2-22, 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 60794-2-22:2017.

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) 2017-10-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-01-11

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In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 61753-1 NOTE Harmonized as EN 61753-1.

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 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60811-202	-	Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath	EN 60811-202	-
IEC 60811-203	-	Electric and optical fibre cables - Test methods for non-metallic materials - Part 203: General tests - Measurement of overall dimensions	EN 60811-203	-
IEC 60793-1-1	-	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance	EN 60793-1-1	-
IEC 60793-1-20	-	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry	EN 60793-1-20	-
IEC 60793-1-21	-	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry	EN 60793-1-21	-
IEC 60793-2	-	Optical fibres - Part 2: Product specifications - General	EN 60793-2	-
IEC 60793-2-10	-	Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres	EN 60793-2-10	-
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	-
IEC 60794-1-1	-	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	-
IEC 60794-1-21	-	Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods	EN 60794-1-21	-

EN 60794-2-22:2017

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60794-1-22	-	Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods	EN 60794-1-22	-
IEC 60794-2	-	Optical fibre cables - Part 2: Indoor cables - Sectional specification	EN 60794-2	-
IEC 60794-2-20	-	Optical fibre cables - Part 2-20: Indoor cables - Family specification for multi-fibre optical cables	EN 60794-2-20	-
IEC 60794-2-50	-	Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies	EN 60794-2-50	-
IEC 60794-2-51	-	Optical fibre cables - Part 2-51: Indoor cables - Detail specification for simplex and duplex cables for use in cords for controlled environment	EN 60794-2-51	-



IEC 60794-2-22

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



Optical fibre cables –

Part 2-22: Indoor cables – Detail specification for multi-simplex breakout optical cables to be terminated with connectors

Câbles à fibres optiques –

Partie 2-22: Câbles intérieurs – Spécification particulière pour câbles optiques épanouis simplex multiples munis de connecteurs





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IEC 60794-2-22

Edition 1.0 2016-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Optical fibre cables –

Part 2-22: Indoor cables – Detail specification for multi-simplex breakout optical cables to be terminated with connectors

Câbles à fibres optiques –

Partie 2-22: Câbles intérieurs – Spécification particulière pour câbles optiques épanouis simplex multiples munis de connecteurs

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –

**Part 2-22: Indoor cables –
Detail specification for multi-simplex breakout
optical cables to be terminated with connectors**

FOREWORD

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International Standard IEC 60794-2-22 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

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

FDIS	Report on voting
86A/1765/FDIS	86A/1773/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document 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.

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OPTICAL FIBRE CABLES –

Part 2-22: Indoor cables – Detail specification for multi-simplex breakout optical cables to be terminated with connectors

1 Scope

This part of IEC 60794 is a detail specification and specifies breakout optical cables with multiple simplex fibre cables for termination with connectors.

The requirements of the sectional specification IEC 60794-2 are applicable to cables covered by this document.

The requirements of the family specification IEC 60794-2-20 are applicable to breakout cables to be installed without terminated connectors.

Fan-out kits used for cable systems are not covered by this document.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 60811-202, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 202: General tests – Measurement of thickness of non-metallic sheath*

IEC 60811-203, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 203: General tests – Measurement of overall dimensions*

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IEC 60793-1-21, *Optical fibres – Part 1-21: Measurement methods and test procedures – Coating geometry*

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

IEC 60793-2-10, *Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres*

IEC 60793-2-50, *Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres*

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