

INTERNATIONAL STANDARD

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Optical fibre cables –

Part 2-22: Indoor cables – Detail specification for multi-simplex breakout optical cables for use in terminated breakout cable assemblies

Câbles à fibres optiques –

Partie 2-22: Câbles intérieurs – Spécification particulière pour les câbles optiques épanouis simplex multiples destinés à être utilisés comme câbles assemblés épanouis équipés



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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 33.180.10

ISBN 978-2-8322-6710-3

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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	6
4 General	6
5 Construction	6
5.1 General.....	6
5.2 Optical fibres	7
5.3 Simplex optical fibre cables	7
5.4 Strength and anti-buckling members	7
5.5 Ripcord.....	7
5.6 Cable sheath	7
5.7 Sheath marking.....	7
5.8 Examples of cable constructions	7
6 Tests	7
6.1 General.....	7
6.2 Dimensions	8
6.3 Mechanical requirements	8
6.3.1 General	8
6.3.2 Bend.....	8
6.4 Environmental requirements – Temperature cycling	9
7 Transmission requirements.....	9
8 Fire performance	10
Annex A (normative) Cable sample preparation for bend and temperature cycling test.....	11
Annex B (informative) Examples of cable constructions	12
Bibliography.....	13
Figure A.1 – Cable sample preparation and lengths	11
Figure B.1 – Example of a cross-section of a six-fibre breakout cable	12
Figure B.2 – Example of a cross-section of a 24-fibre breakout cable	12
Table 1 – Preferred low and high temperatures.....	9

INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –

**Part 2-22: Indoor cables –
Detail specification for multi-simplex breakout
optical cables for use in terminated breakout cable assemblies**

FOREWORD

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

This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision.

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

- a) changed partly the wording in the title and the scope to align with IEC 60794-2-50, IEC 60794-2-23 and IEC 60794-2-24;
- b) added IEC 60793-1-40, IEC 60793-1-46 and IEC 60794-1-2 to the normative references;
- c) deleted reference to IEC 60794-2-51;
- d) added the definition of terminated breakout cable assembly;

- e) changed the number of bend cycles from 10 to 3 to harmonise with IEC 60794-2-50;
- f) changed test parameters for temperature cycling to harmonise with IEC 60794-2-50;
- g) added maximum attenuation requirements after temperature cycling;
- h) replaced the text for the fire performance with an improved description.

The text of this International Standard is based on the following documents:

Draft	Report on voting
86A/2285/FDIS	86A/2317/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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 document will remain unchanged until the stability date indicated on the IEC website under wwwstore.iec.ch in the data related to the specific document. At this date, the document will be

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OPTICAL FIBRE CABLES –

Part 2-22: Indoor cables – Detail specification for multi-simplex breakout optical cables for use in terminated breakout cable assemblies

1 Scope

This part of IEC 60794 is a detail specification and specifies breakout optical cables with multiple simplex optical fibre cables for use in terminated breakout cable assemblies.

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 60793-1-20, *Optical fibres – Part 1-20: Measurement methods and test procedures – Fibre geometry*

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

IEC 60793-1-40, *Optical fibres – Part 1-40: Attenuation measurement methods*

IEC 60793-1-46, *Optical fibres – Part 1-46: Measurement methods and test procedures – Monitoring of changes in optical transmittance*

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*

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

IEC 60794-1-2, *Optical fibre cables – Part 1-2: Generic specification – Basic optical cable test procedures – General guidance*

IEC 60794-1-21, *Optical fibre cables – Part 1-21: Generic specification – Basic optical cable test procedures – Mechanical tests methods*

IEC 60794-1-22, *Optical fibre cables – Part 1-22: Generic specification – Basic optical cable test procedures – Environmental test methods*

IEC 60794-2, *Optical fibre cables – Part 2: Indoor cables – Sectional specification*

IEC 60794-2-20, *Optical fibre cables – Part 2-20: Indoor cables – Family specification for multi-fibre optical cables*