

STN	Optické káble Časť 2-24: Vnútorne káble Podrobná špecifikácia káblov s viacerými mnohovláknovými jednotkami na použitie v rozbočovacích káblových zostavách ukončených konektorom MPO	STN EN IEC 60794-2-24 35 9223
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Optical fibre cables - Part 2-24: Indoor cables - Detail specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/24

Obsahuje: EN IEC 60794-2-24:2024, IEC 60794-2-24:2024

EUROPEAN STANDARD

EN IEC 60794-2-24

NORME EUROPÉENNE

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Optical fibre cables - Part 2-24: Indoor cables - Detail
specification for multiple multi-fibre unit cables for use in MPO
connector terminated breakout cable assemblies
(IEC 60794-2-24:2024)

Câbles à fibres optiques - Partie 2-24: Câbles intérieurs -
Spécification particulière pour les câbles à plusieurs unités
multifibres utilisés dans les câbles assemblés épanouis
équipés de connecteurs MPO
(IEC 60794-2-24:2024)

Lichtwellenleiterkabel - Teil 2-24: Lichtwellenleiterkabel für
den Innenbereich - Bauartspezifikation für Kabel mit
mehreren Fasereinheiten zur Verwendung in
Kabelkonfektionen mit MPO-Steckern
(IEC 60794-2-24:2024)

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Comité Européen de Normalisation Electrotechnique
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EN IEC 60794-2-24:2024 (E)**European foreword**

The text of document 86A/2391/FDIS, future edition 1 of IEC 60794-2-24, 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 IEC 60794-2-24:2024.

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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 Approved as EN IEC 61753-1

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where 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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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 60793-1-40	-	Optical fibres - Part 1-40: Attenuation measurement methods	EN IEC 60793-1-40	-
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 60793-2-10	-	Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres	EN IEC 60793-2-10	-
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN IEC 60793-2-50	-
IEC 60794-1-1	-	Optical fibre cables - Part 1-1: Generic specification - General	EN IEC 60794-1-1	-
IEC 60794-1-2	-	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance	EN IEC 60794-1-2	-
IEC 60794-1-21	-	Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods	EN 60794-1-21	-
IEC 60794-1-22	-	Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods	EN IEC 60794-1-22	-
IEC 60794-1-31	-	Optical fibre cables - Part 1-31: Generic specification - Optical cable elements - Optical fibre ribbon	EN IEC 60794-1-31	-

EN IEC 60794-2-24:2024 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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 60794-2-23	-	Optical fibre cables - Part 2-23: Indoor cables - Detail specification for multi-fibre cables for use in MPO connector terminated cable assemblies	-	-
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	-



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Optical fibre cables –
Part 2-24: Indoor cables – Detail specification for multiple multi-fibre unit cables
for use in MPO connector terminated breakout cable assemblies**

**Câbles à fibres optiques –
Partie 2-24: Câbles intérieurs – Spécification particulière pour les câbles à
plusieurs unités multifibres utilisés dans les câbles assemblés épanouis
équipés de connecteurs MPO**

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



Optical fibre cables –

Part 2-24: Indoor cables – Detail specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies

Câbles à fibres optiques –

Partie 2-24: Câbles intérieurs – Spécification particulière pour les câbles à plusieurs unités multifibres utilisés dans les câbles assemblés épanouis équipés de connecteurs MPO

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CONTENTS

FOREWORD	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Construction	7
4.1 General.....	7
4.2 Optical fibres	7
4.3 Multi-fibre unit.....	8
4.4 Stranded core	8
4.5 Strength and anti-buckling members	8
4.6 Ripcord	8
4.7 Cable sheath	8
4.8 Sheath marking.....	8
4.9 Examples of cable constructions	8
5 Tests	8
5.1 General.....	8
5.2 Dimensions	9
5.3 Mechanical requirements	9
5.3.1 General	9
5.3.2 Impact	9
5.3.3 Bending	10
5.3.4 Repeated bending	10
5.3.5 Torsion	10
5.3.6 Abrasion resistance of cable marking	11
5.4 Environmental requirements – Temperature cycling	11
6 Transmission requirements.....	12
7 Fire performance	12
Annex A (normative) Cable sample preparation for bending and temperature cycling test	13
Annex B (informative) Examples of cable constructions	14
B.1 Optical cables for use in MPO connector terminated breakout cable assemblies, containing multi-fibre units with sheaths/tubes	14
B.2 Optical cables for use in MPO connector terminated breakout cable assemblies, containing fibre bundles with tie yarn	15
B.3 Optical cables for use in MPO connector terminated breakout cable assemblies, containing partially bonded fibre ribbons	15
Bibliography.....	17
Figure A.1 – Sample preparation and lengths for multiple multi-unit cables for use in MPO connector terminated breakout cable assemblies	13
Figure B.1 – Example of a cross-section of a 48-fibre breakout cable containing 12-fibre units (with sheaths/tubes and strength members), without central strength member	14
Figure B.2 – Example of a cross-section of a 72-fibre breakout cable containing 12-fibre units (with sheaths/tubes and strength members), with central strength member.....	14
Figure B.3 – Example of a cross-section of a 48-fibre breakout cable containing 12-fibre units (with tubes and without strength members), without central strength member	15

Figure B.4 – Example of a cross-section of a 48-fibre cable containing 12-fibre bundles with tie yarn, without central strength member	15
Figure B.5 – Example of a cross-section of a 48-fibre cable containing 12-fibre partially bonded fibre ribbons, without central strength member	16
Table 1 – Preferred low and high temperatures	11

INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –

**Part 2-24: Indoor cables –
Detail specification for multiple multi-fibre unit cables for use
in MPO connector terminated breakout cable assemblies**

FOREWORD

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IEC 60794-2-24 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics. It is an International Standard.

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

Draft	Report on voting
86A/2391/FDIS	86A/2413/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 the 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 webstore.iec.ch in the data related to the specific document. At this date, the document will be

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- revised.

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OPTICAL FIBRE CABLES –

Part 2-24: Indoor cables – Detail specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies

1 Scope

This part of IEC 60794 is a detail specification and specifies indoor multiple multi-fibre unit cables for use in MPO (multi-fibre push on) connector 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*

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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*

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

IEC 60794-1-31, *Optical fibre cables – Part 1-31: Generic specification – Optical cable elements – Optical fibre ribbon*

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

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– 7 –

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

IEC 60794-2-23, *Optical fibre cables – Part 2-23: Indoor cables – Detailed specification for multi-fibre cables for use in MPO connector terminated cable assemblies*

IEC 60811-2-02, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 202: General tests – Measurement of thickness of non-metallic sheath*

IEC 60811-2-03, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 203: General tests – Measurement of overall dimensions*

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