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INTERNATIONAL STANDARD



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

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRES –

Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres

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International Standard IEC 60793-2-10 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This seventh edition cancels and replaces the sixth edition published in 2017. This edition constitutes a technical revision.

This edition includes the following significant change with respect to the previous edition: revision of the naming convention for A1 multimode fibres, which better matches with those found in ISO/IEC standards. These changes are outlined in the scope of this document along with a cross reference table for the new names.

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

| FDIS | Report on voting |
|---------------|------------------|
| 86A/1932/FDIS | 86A/1939/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 60793 series, published under the general title *Optical fibres*, 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 "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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OPTICAL FIBRES –

Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres

1 Scope

This part of IEC 60793 is applicable to optical fibre sub-categories ~~A1a, A1b~~ A1-OM1, A1-OM2, A1-OM3, A1-OM4, A1-OM5, and A1d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.

~~Sub-category A1a applies~~ Sub-categories A1-OM2, A1-OM3, A1-OM4 and A1-OM5 apply to 50/125 μm graded index fibre in four bandwidth grades ~~are defined as models A1a.1, A1a.2, A1a.3 and A1a.4~~. Each of these bandwidth grades is defined for two levels of macrobend loss performance that are distinguished by "a" or "b" suffix. Those ~~models~~ sub-categories with suffix "a" are specified to meet traditional macrobend loss performance levels. Those ~~models~~ sub-categories with suffix "b" are specified to meet enhanced macrobend loss (i.e. lower loss) performance levels. ~~Model A1a.4 supports single wavelength or multi-wavelength transmission systems in the vicinity of 850 nm to 950 nm.~~

Sub-category A1-OM5 is specified to support single wavelength or multi-wavelength transmission systems in the vicinity of 850 nm to 950 nm. Although not normatively specified, bandwidth information covering this wavelength range is also included for A1-OM3 and A1-OM4.

Sub-category ~~A1b~~ A1-OM1 applies to 62,5/125 μm graded index fibre and sub-category A1d applies to 100/140 μm graded index fibre.

Other applications include, but are not restricted to, the following: short reach, high bit-rate systems in telephony, distribution and local networks carrying data, voice and/or video services; on-premises intra-building and inter-building fibre installations including data centres, local area networks (LANs), storage area networks (SANs), private branch exchanges (PBXs), video, various multiplexing uses, outside telephone cable plant use, and miscellaneous related uses.

Three types of requirements apply to these fibres:

- general requirements, as defined in IEC 60793-2;
- specific requirements common to the category A1 multimode fibres covered in this document and which are given in Clause 5;
- particular requirements applicable to individual fibre sub-categories and models, or specific applications, which are defined in the normative specification Annexes A to D.

Table 1 shows the cross reference between the IEC A1 multimode optical fibre designations used in this document compared to those used in IEC 60793-2-10:2017. The table also refers to the normative annexes A, B and C for the A1 sub-category multimode fibres in this document that contains the detailed specification.

Table 1 – Cross reference IEC A1 multimode fibre designations to IEC 60793-2-10:2017

| Annex | Sub-category | Sub-category/Model | Core diameter (nominal) | ISO/IEC 11801-1:2017 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------|-------------------------|----------------------------|
| | This document designations | IEC 60793-2-10:2017 designations | | Usage of cabled OMx fibres |
| A | A1-OM2 | A1a.1 | 50 µm ^a | OM2 ^b |
| | A1-OM3 | A1a.2 | 50 µm | OM3 |
| | A1-OM4 | A1a.3 | 50 µm | OM4 |
| | A1-OM5 | A1a.4 | 50 µm | OM5 |
| B | A1-OM1 | A1b | 62,5 µm ^c | OM1 ^d |
| C | A1d | A1d | 100 µm | - |
| ^a Historically, ISO/IEC 11801:2002 also defined OM2 cables made with 62,5/125 µm fibres having a minimum overfilled launch bandwidth of 500 MHz·km at 850 nm and 500 MHz·km at 1 300 nm. This specific bandwidth combination of 62,5/125 µm fibre is not part of this document. ^b OM2 cables are not supported for new installations within ISO/IEC 11801-1:2017. ^c Historically, ISO/IEC 11801:2002 also defined OM1 cables made with 50/125 µm fibres having a minimum overfilled launch bandwidth of 200 MHz·km at 850 nm and 500 MHz·km at 1 300 nm. This specific bandwidth combination of 50/125 µm fibre is not part of this document. ^d OM1 cables are not supported for new installations within ISO/IEC 11801-1:2017. | | | | |

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 60793-1-22, *Optical fibres – Part 1-22: Measurement methods and test procedures – Length measurement*

IEC 60793-1-30, *Optical fibres – Part 1-30: Measurement methods and test procedures – Fibre proof test*

IEC 60793-1-31, *Optical fibres – Part 1-31: Measurement methods and test procedures – Tensile strength*

IEC 60793-1-32, *Optical fibres – Part 1-32: Measurement methods and test procedures – Coating strippability*

IEC 60793-1-33, *Optical fibres – Part 1-33: Measurement methods and test procedures – Stress corrosion susceptibility*

~~IEC 60793-1-34, *Optical fibres – Part 1-34: Measurement methods and test procedures – Fibre curl*~~

IEC 60793-1-40, *Optical fibres – Part 1-40: Measurement methods and test procedures – Attenuation*

IEC 60793-1-41, *Optical fibres – Part 1-41: Measurement methods and test procedures – Bandwidth*

IEC 60793-1-42, *Optical fibres – Part 1-42: Measurement methods and test procedures – Chromatic dispersion*

IEC 60793-1-43, *Optical fibres – Part 1-43: Measurement methods and test procedures – Numerical aperture measurement*

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

IEC 60793-1-47, *Optical fibres – Part 1-47: Measurement methods and test procedures – Macrobending loss*

IEC 60793-1-49, *Optical fibres – Part 1-49: Measurement methods and test procedures – Differential mode delay*

IEC 60793-1-50, *Optical fibres – Part 1-50: Measurement methods and test procedures – Damp heat (steady state) tests*

IEC 60793-1-51, *Optical fibres – Part 1-51: Measurement methods and test procedures – Dry heat (steady state) tests*

IEC 60793-1-52, *Optical fibres – Part 1-52: Measurement methods and test procedures – Change of temperature tests*

IEC 60793-1-53, *Optical fibres – Part 1-53: Measurement methods and test procedures – Water immersion tests*

IEC 60793-2:~~2015~~, *Optical fibres – Part 2: Product specifications – General*

IEC 61280-4-1:2009, *Fibre-optic communication subsystem test procedures – Part 4-1: Installed cable plant – Multimode attenuation measurement*

INTERNATIONAL STANDARD

NORME INTERNATIONALE



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

**Fibres optiques –
Partie 2-10: Spécifications de produits – Spécification intermédiaire pour les
fibres multimodales de catégorie A1**

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OPTICAL FIBRES –**Part 2-10: Product specifications –
Sectional specification for category A1 multimode fibres****FOREWORD**

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International Standard IEC 60793-2-10 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This seventh edition cancels and replaces the sixth edition published in 2017. This edition constitutes a technical revision.

This edition includes the following significant change with respect to the previous edition: revision of the naming convention for A1 multimode fibres, which better matches with those found in ISO/IEC standards. These changes are outlined in the scope of this document along with a cross reference table for the new names.

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

| FDIS | Report on voting |
|---------------|------------------|
| 86A/1932/FDIS | 86A/1939/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 60793 series, published under the general title *Optical fibres*, 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 "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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OPTICAL FIBRES –

Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres

1 Scope

This part of IEC 60793 is applicable to optical fibre sub-categories A1-OM1, A1-OM2, A1-OM3, A1-OM4, A1-OM5, and A1d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.

Sub-categories A1-OM2, A1-OM3, A1-OM4 and A1-OM5 apply to 50/125 μm graded index fibre in four bandwidth grades. Each of these bandwidth grades is defined for two levels of macrobend loss performance that are distinguished by "a" or "b" suffix. Those sub-categories with suffix "a" are specified to meet traditional macrobend loss performance levels. Those sub-categories with suffix "b" are specified to meet enhanced macrobend loss (i.e. lower loss) performance levels.

Sub-category A1-OM5 is specified to support single wavelength or multi-wavelength transmission systems in the vicinity of 850 nm to 950 nm. Although not normatively specified, bandwidth information covering this wavelength range is also included for A1-OM3 and A1-OM4.

Sub-category A1-OM1 applies to 62,5/125 μm graded index fibre and sub-category A1d applies to 100/140 μm graded index fibre.

Other applications include, but are not restricted to, the following: short reach, high bit-rate systems in telephony, distribution and local networks carrying data, voice and/or video services; on-premises intra-building and inter-building fibre installations including data centres, local area networks (LANs), storage area networks (SANs), private branch exchanges (PBXs), video, various multiplexing uses, outside telephone cable plant use, and miscellaneous related uses.

Three types of requirements apply to these fibres:

- general requirements, as defined in IEC 60793-2;
- specific requirements common to the category A1 multimode fibres covered in this document and which are given in Clause 5;
- particular requirements applicable to individual fibre sub-categories and models, or specific applications, which are defined in the normative specification Annexes A to D.

Table 1 shows the cross reference between the IEC A1 multimode optical fibre designations used in this document compared to those used in IEC 60793-2-10:2017. The table also refers to the normative annexes A, B and C for the A1 sub-category multimode fibres in this document that contains the detailed specification.

Table 1 – Cross reference IEC A1 multimode fibre designations to IEC 60793-2-10:2017

| Annex | Sub-category | Sub-category/Model | Core diameter (nominal) | ISO/IEC 11801-1:2017 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------|-------------------------|----------------------------|
| | This document designations | IEC 60793-2-10:2017 designations | | Usage of cabled OMx fibres |
| A | A1-OM2 | A1a.1 | 50 µm ^a | OM2 ^b |
| | A1-OM3 | A1a.2 | 50 µm | OM3 |
| | A1-OM4 | A1a.3 | 50 µm | OM4 |
| | A1-OM5 | A1a.4 | 50 µm | OM5 |
| B | A1-OM1 | A1b | 62,5 µm ^c | OM1 ^d |
| C | A1d | A1d | 100 µm | - |
| ^a Historically, ISO/IEC 11801:2002 also defined OM2 cables made with 62,5/125 µm fibres having a minimum overfilled launch bandwidth of 500 MHz·km at 850 nm and 500 MHz·km at 1 300 nm. This specific bandwidth combination of 62,5/125 µm fibre is not part of this document. ^b OM2 cables are not supported for new installations within ISO/IEC 11801-1:2017. ^c Historically, ISO/IEC 11801:2002 also defined OM1 cables made with 50/125 µm fibres having a minimum overfilled launch bandwidth of 200 MHz·km at 850 nm and 500 MHz·km at 1 300 nm. This specific bandwidth combination of 50/125 µm fibre is not part of this document. ^d OM1 cables are not supported for new installations within ISO/IEC 11801-1:2017. | | | | |

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 60793-1-22, *Optical fibres – Part 1-22: Measurement methods and test procedures – Length measurement*

IEC 60793-1-30, *Optical fibres – Part 1-30: Measurement methods and test procedures – Fibre proof test*

IEC 60793-1-31, *Optical fibres – Part 1-31: Measurement methods and test procedures – Tensile strength*

IEC 60793-1-32, *Optical fibres – Part 1-32: Measurement methods and test procedures – Coating strippability*

IEC 60793-1-33, *Optical fibres – Part 1-33: Measurement methods and test procedures – Stress corrosion susceptibility*

IEC 60793-1-40, *Optical fibres – Part 1-40: Measurement methods and test procedures – Attenuation*

IEC 60793-1-41, *Optical fibres – Part 1-41: Measurement methods and test procedures – Bandwidth*

IEC 60793-1-42, *Optical fibres – Part 1-42: Measurement methods and test procedures – Chromatic dispersion*

IEC 60793-1-43, *Optical fibres – Part 1-43: Measurement methods and test procedures – Numerical aperture measurement*

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

IEC 60793-1-47, *Optical fibres – Part 1-47: Measurement methods and test procedures – Macrobending loss*

IEC 60793-1-49, *Optical fibres – Part 1-49: Measurement methods and test procedures – Differential mode delay*

IEC 60793-1-50, *Optical fibres – Part 1-50: Measurement methods and test procedures – Damp heat (steady state) tests*

IEC 60793-1-51, *Optical fibres – Part 1-51: Measurement methods and test procedures – Dry heat (steady state) tests*

IEC 60793-1-52, *Optical fibres – Part 1-52: Measurement methods and test procedures – Change of temperature tests*

IEC 60793-1-53, *Optical fibres – Part 1-53: Measurement methods and test procedures – Water immersion tests*

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

IEC 61280-4-1:2009, *Fibre-optic communication subsystem test procedures – Part 4-1: Installed cable plant – Multimode attenuation measurement*

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

FIBRES OPTIQUES –

**Partie 2-10: Spécifications de produits –
Spécification intermédiaire pour les fibres multimodales de catégorie A1**

AVANT-PROPOS

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- 9) L'attention est attirée sur le fait que certains des éléments de la présente Publication de l'IEC peuvent faire l'objet de droits de brevet. L'IEC ne saurait être tenue pour responsable de ne pas avoir identifié de tels droits de brevets et de ne pas avoir signalé leur existence.

La Norme internationale IEC 60793-2-10 a été établie par le sous-comité 86A: Fibres et câbles, du comité d'études 86 de l'IEC: Fibres optiques.

Cette septième édition annule et remplace la sixième édition parue en 2017. Cette édition constitue une révision technique.

La présente édition inclut les modifications majeures suivantes par rapport à l'édition précédente: révision de la convention de dénomination pour les fibres multimodales A1, correspondant mieux aux noms compris dans les normes ISO/IEC. Ces modifications sont indiquées dans le domaine d'application du présent document avec une table de correspondance pour les nouveaux noms.

Le texte de cette Norme internationale est issu des documents suivants:

| FDIS | Rapport de vote |
|---------------|-----------------|
| 86A/1932/FDIS | 86A/1939/RVD |

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à l'approbation de cette Norme internationale.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2.

Une liste de toutes les parties de la série IEC 60793, publiées sous le titre général *Fibres optiques*, peut être consultée sur le site web de l'IEC.

Le comité a décidé que le contenu de ce document ne sera pas modifié avant la date de stabilité indiquée sur le site web de l'IEC sous "<http://webstore.iec.ch>" dans les données relatives au document recherché. A cette date, le document sera

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FIBRES OPTIQUES –

Partie 2-10: Spécifications de produits – Spécification intermédiaire pour les fibres multimodales de catégorie A1

1 Domaine d'application

La présente partie de l'IEC 60793 est applicable aux fibres optiques des sous-catégories A1-OM1, A1-OM2, A1-OM3, A1-OM4, A1-OM5 et A1d. Ces fibres sont utilisées ou peuvent être intégrées dans des équipements destinés à la transmission de l'information et dans des câbles à fibres optiques.

Les sous-catégories A1-OM2, A1-OM3, A1-OM4 et A1-OM5 s'appliquent à la fibre à gradient d'indice de 50/125 μm dans quatre classes de largeur de bande. Chaque classe de largeur de bande est définie pour deux niveaux de performances en matière de pertes par macrocourbures, qui se distinguent par le suffixe "a" ou "b". Les sous-catégories qui comportent le suffixe "a" sont spécifiées de façon à satisfaire aux niveaux de performances classiques en matière de pertes par macrocourbures. Les sous-catégories qui comportent le suffixe "b" sont spécifiées de façon à satisfaire aux niveaux de performances avancées en matière de pertes par macrocourbures (c'est-à-dire des niveaux de pertes plus faibles).

La sous-catégorie A1-OM5 est spécifiée pour prendre en charge des systèmes de transmission à une seule ou plusieurs longueurs d'onde au voisinage de 850 nm à 950 nm. Bien qu'elles ne soient pas spécifiées sur le plan normatif, les informations de largeur de bande couvrant cette plage de longueurs d'onde sont également incluses pour A1-OM3 et A1-OM4.

La sous-catégorie A1-OM1 s'applique aux fibres à gradient d'indice de 62,5/125 μm et la sous-catégorie A1d à celles de gradient d'indice de 100/140 μm .

D'autres applications comprennent, mais sans s'y limiter, ce qui suit: les systèmes téléphoniques de courtes distances à haut débit, les réseaux de distribution et les réseaux locaux qui transportent des données, la voix et/ou des services vidéo; et les connexions par fibres intra ou inter bâtiment dans les locaux utilisateurs, englobant les centres de traitement de données, les réseaux locaux (LAN), les réseaux dédiés sauvegarde (SAN), les centraux téléphoniques privés (PABX), la vidéo, les différentes utilisations de multiplexage, l'utilisation d'une installation de câble du réseau téléphonique externe et les différentes utilisations associées.

Trois types d'exigences s'appliquent à ces fibres:

- les exigences générales, qui sont définies dans l'IEC 60793-2;
- des exigences spécifiques communes aux fibres multimodales de catégorie A1, couvertes par le présent document et qui sont données à l'Article 5;
- des exigences particulières applicables à des sous-catégories et des modèles particuliers de fibres ou à des applications spécifiques, qui sont définies dans les Annexes de spécifications normatives A à D.

Le Tableau 1 montre la correspondance entre les désignations de fibres optiques multimodales IEC A1 utilisées dans le présent document et celles utilisées dans l'IEC 60793-2-10:2017. Le tableau se réfère également aux Annexes normatives A, B et C pour les fibres multimodales de la sous-catégorie A1 dans le présent document contenant la spécification particulière.

Tableau 1 – Correspondance entre les désignations de fibres optiques multimodales IEC A1 et l'IEC 60793-2-10:2017

| Annexe | Sous-catégorie | Sous-catégorie/ Modèle | Diamètre du noyau (nominal) | ISO/IEC 11801-1:2017 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|
| | Désignations du présent document | Désignations de l'IEC 60793-2-10:2017 | | Utilisation de fibres OMx câblées |
| A | A1-OM2 | A1a.1 | 50 µm ^a | OM2 ^b |
| | A1-OM3 | A1a.2 | 50 µm | OM3 |
| | A1-OM4 | A1a.3 | 50 µm | OM4 |
| | A1-OM5 | A1a.4 | 50 µm | OM5 |
| B | A1-OM1 | A1b | 62,5 µm ^c | OM1 ^d |
| C | A1d | A1d | 100 µm | - |
| ^a Historiquement, l'ISO/IEC 11801:2002 définissait également des câbles OM2 faits de fibres de 62,5/125 µm ayant une largeur de bande à injection saturée minimale de 500 MHz·km à 850 nm et 500 MHz·km à 1 300 nm. Cette combinaison de largeur de bande spécifique de fibres de 62,5/125 µm ne fait pas partie du présent document. ^b Les câbles OM2 ne sont pas pris en charge dans les nouvelles installations dans l'ISO/IEC 11801-1:2017. ^c Historiquement, l'ISO/IEC 11801:2002 définissait également des câbles OM1 faits de fibres de 50/125 µm ayant une largeur de bande à injection saturée minimale de 200 MHz·km à 850 nm et 500 MHz·km à 1 300 nm. Cette combinaison de largeur de bande spécifique de fibres de 50/125 µm ne fait pas partie du présent document. ^d Les câbles OM1 ne sont pas pris en charge dans les nouvelles installations dans l'ISO/IEC 11801-1:2017. | | | | |

2 Références normatives

Les documents suivants sont cités dans le texte de sorte qu'ils constituent, pour tout ou partie de leur contenu, des exigences du présent document. Pour les références datées, seule l'édition citée s'applique. Pour les références non datées, la dernière édition du document de référence s'applique (y compris les éventuels amendements).

IEC 60793-1-20, *Fibres optiques – Partie 1-20: Méthodes de mesure et procédures d'essai – Géométrie de la fibre*

IEC 60793-1-21, *Fibres optiques – Partie 1-21: Méthodes de mesure et procédures d'essai – Géométrie du revêtement*

IEC 60793-1-22, *Fibres optiques – Partie 1-22: Méthodes de mesure et procédures d'essai – Mesure de la longueur*

IEC 60793-1-30, *Fibres optiques – Partie 1-30: Méthodes de mesure et procédures d'essai – Essais de sélection*

IEC 60793-1-31, *Fibres optiques – Partie 1-31: Méthodes de mesure et procédures d'essai – Résistance à la traction*

IEC 60793-1-32, *Fibres optiques – Partie 1-32: Mesures de mesure et procédures d'essai – Dénudabilité du revêtement*

IEC 60793-1-33, *Fibres optiques – Partie 1-33: Méthodes de mesure et procédures d'essai – Résistance à la corrosion sous contrainte*

IEC 60793-1-40, *Fibres optiques – Partie 1-40: Méthodes de mesure et procédures d'essai – Affaiblissement*

IEC 60793-1-41, *Fibres optiques – Partie 1-41: Méthodes de mesure et procédures d'essai – Largeur de bande*

IEC 60793-1-42, *Fibres optiques – Partie 1-42: Méthodes de mesure et procédures d'essai – Dispersion chromatique*

IEC 60793-1-43, *Optical fibres – Part 1-43: Measurement methods and test procedures – Numerical aperture measurement (disponible en anglais seulement)*

IEC 60793-1-46, *Fibres optiques – Partie 1-46: Méthodes de mesure et procédures d'essai – Contrôle des variations du facteur de transmission optique*

IEC 60793-1-47, *Fibres optiques – Partie 1-47: Méthodes de mesure et procédures d'essai – Pertes par macrocourbures*

IEC 60793-1-49, *Fibres optiques – Partie 1-49: Méthodes de mesure et procédures d'essai – Retard différentiel de mode*

IEC 60793-1-50, *Fibres optiques – Partie 1-50: Méthodes de mesure et procédures d'essai – Essais de chaleur humide (état continu)*

IEC 60793-1-51, *Fibres optiques – Partie 1-51: Méthodes de mesure et procédures d'essai – Essais de chaleur sèche (état continu)*

IEC 60793-1-52, *Fibres optiques – Partie 1-52: Méthodes de mesure et procédures d'essai – Essais de variations de température*

IEC 60793-1-53, *Fibres optiques – Partie 1-53: Méthodes de mesure et procédures d'essai – Essais d'immersion dans l'eau*

IEC 60793-2, *Fibres optiques – Partie 2: Spécifications de produits – Généralités*

IEC 61280-4-1:2009, *Procédures d'essai des sous-systèmes de télécommunication à fibres optiques – Partie 4-1: Installation câblée – Mesure de l'affaiblissement en multimodal*