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Optical fibres - Part 1-32: Measurement methods and test procedures - Coating strippability

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. 04/19

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English Version

**Optical fibres - Part 1-32: Measurement methods and test
procedures - Coating strippability
(IEC 60793-1-32:2018)**

Fibres optiques - Partie 1-32: Méthodes de mesure et
procédures d'essai - Dénudabilité du revêtement
(IEC 60793-1-32:2018)

Lichtwellenleiter - Teil 1-32: Messmethoden und
Prüfverfahren - Absetzbarkeit der Beschichtung
(IEC 60793-1-32:2018)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60793-1-32:2018 (E)**European foreword**

The text of document 86A/1890/FDIS, future edition 3 of IEC 60793-1-32, 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 60793-1-32:2018.

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) 2019-09-21
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-12-21

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60793-2-10	NOTE	Harmonized as EN 60793-2-10
IEC 60793-2-20	NOTE	Harmonized as EN 60793-2-20
IEC 60793-2-30	NOTE	Harmonized as EN 60793-2-30
IEC 60793-2-50	NOTE	Harmonized as EN 60793-2-50
IEC 60793-2-60	NOTE	Harmonized as EN 60793-2-60

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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-1-1	-	Optical fibres – Part 1-1: Measurement methods and test procedures – General and guidance	EN 607933-1-1	-



IEC 60793-1-32

Edition 3.0 2018-11

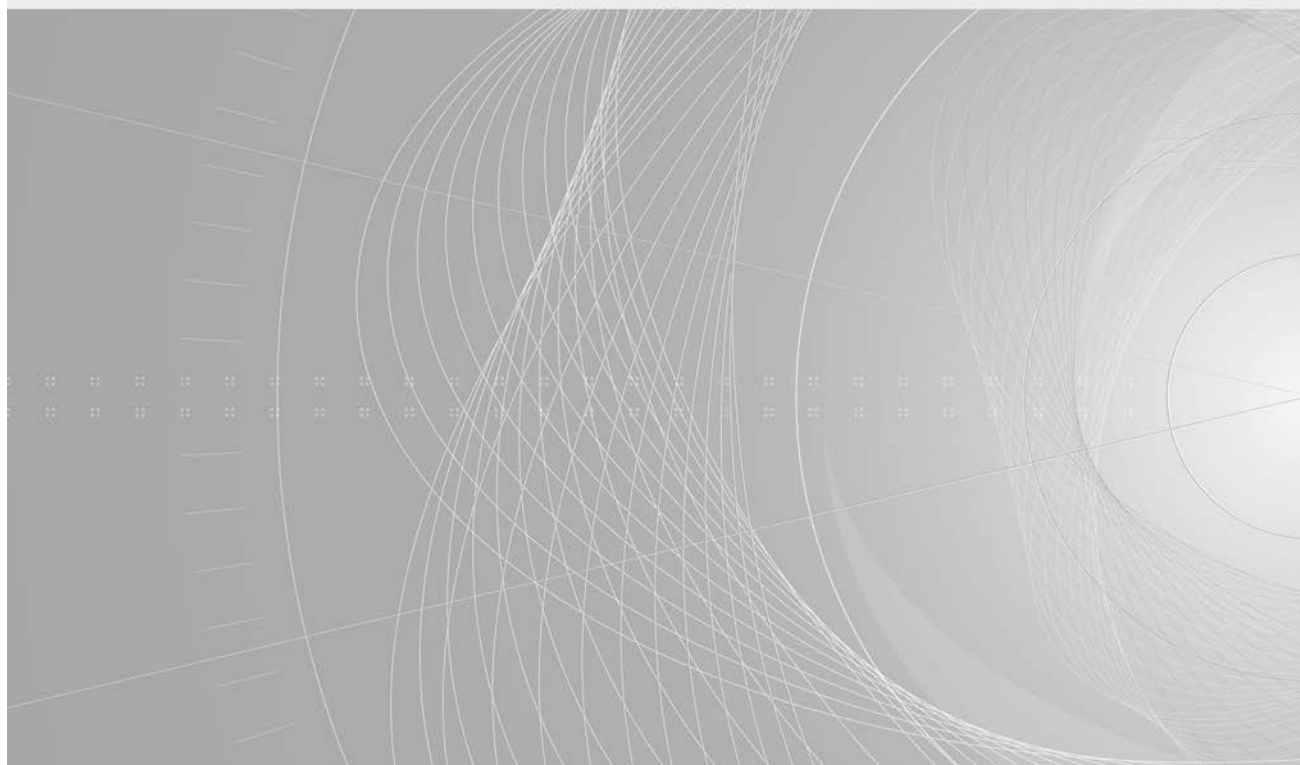
INTERNATIONAL STANDARD

NORME INTERNATIONALE



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

**Fibres optiques –
Partie 1-32: Méthodes de mesure et procédures d'essai – Dénudabilité du
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INTERNATIONAL STANDARD

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

**Fibres optiques –
Partie 1-32: Méthodes de mesure et procédures d’essai – Dénudabilité du
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRES –

Part 1-32: Measurement methods and test procedures – Coating strippability

FOREWORD

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International Standard IEC 60793-1-32 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical change with respect to the previous edition: expansion of the range of coating dimensions applicable to the procedure detailed in this document to accommodate optical fibres with a 200 µm coating dimension.

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

FDIS	Report on voting
86A/1890/FDIS	86A/1899/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

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- withdrawn,
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OPTICAL FIBRES –

Part 1-32: Measurement methods and test procedures – Coating strippability

1 Scope

This part of IEC 60793 is intended primarily for testing either fibres as produced by a fibre manufacturer or subsequently overcoated (tight buffered) using various polymers. The test can be performed either on fibres as produced, or after exposure to various environments.

This test applies to A1, A2, A3, B and C fibres with a nominal glass dimension of 125 µm.

The object of this document is to establish uniform requirements for the mechanical characteristic – coating strippability. This test quantifies the force required to mechanically remove the protective coating from optical fibres along their longitudinal axis.

This test is not intended as a means to maximize fibre strength after the coating is removed nor is it intended to specify the best conditions for field stripping of optical fibres.

This test is designed for optical fibres having polymeric coatings with nominal outer diameters in the range of 200 µm to 900 µm.

2 Normative references

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

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