Doc No.: LITD 11 (28620)
Draft IEC 60793-1-32:2018
August 2025

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

मसौदा भारतीय मानक प्रकाशिक तंतु भाग 1 मापन विधियाँ और परिक्षण प्रक्रियाएँ अनुभाग 32 लेपन निर्लेपनतत्व (पहला पुनरीक्षण)

Draft Indian Standard

Optical fibres: Part 1 measurement methods and test procedures: Sec 32 coating strippABility

(first Revision)

ICS 33.180.10

NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard *(first Revision*) which is identical with IEC 60793-1-32: 2018 'Optical fibres — Optical fibres: Optical fibres: Part 1 measurement methods and test procedures: Sec 32 coating strippABility' issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendation of Fibre Optics, Fibers, Cables and Devices Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 2013 and was identical with IEC 60793-1-32:2010. The first revision of this standard has been undertaken to align it with the latest version of International Standard IEC 60793-1-32:2018.
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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 IEC Standard *may be* approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appears referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International standards	**Corresponding Indian standards**	**Degree of Equivalence**
IEC 60793-1-1, Optical fibres – Part 1-1: Measurement methods and test procedures –General and guidance	IS/IEC 60793-1-1:2017, Optical fibres: Part 1 measurement methods and test procedures: Sec 1 general and guidance (First Revision)	Identical with IEC 60793-1-1:2017.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 'Rules for rounding off numerical values *(Second Revision)*'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

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SCOPE OF IEC 60793-1-32:2018

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.

(for example, national) standards.
Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details, please refer to IEC 60793-1-32:2018 or kindly contact.

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