

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

Draft for comments only

Doc: TXD 09 (28700) WC
September 2025

(Not to be reproduced without permission of BIS or used as Standard)

भारतीय मानक मसौदा
रेशे की रस्सियाँ — इलेक्ट्रोस्टैटिक सतह क्षमता मापने की विधि

(Draft Indian Standard)

**FIBRE ROPES — ELECTROSTATIC SURFACE POTENTIAL
MEASURING METHOD**

ICS 59.080.50

Cordage Sectional Committee
TXD 09

Last date for receipt of comments
11 November 2025

NATIONAL FOREWORD

(Formal clauses will be added later)

This Indian Standard intended to be adopted is identical with ISO 20615 : 2018 ‘Fibre ropes — Electrostatic surface potential measuring method’ issued by the International Organization for Standardization (ISO).

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’ appear 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.

In the standard intended to be adopted, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 1968, Fibre ropes and cordage — Vocabulary	IS 3871 : 2013, Fibre ropes and cordage – Vocabulary (<i>third revision</i>)	Identical under dual numbering

The Committee has reviewed the provisions of the following International Standard referred in this intended to be adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 630-1	Structural steels — Part 1: General technical delivery conditions for hot-rolled products

1 Scope

This document specifies a method for determining the electrostatic charging propensity of fibre ropes by measuring the surface potential generated by tribo-charging.

This document is not intended to be used to evaluate the safety of ropes for use in explosive atmospheres as safety also depends on application conditions.

The test method described in this document is only applicable to fibre ropes of diameter between 12 mm and 20 mm.

The result obtained using this test method is valid only for the charging mechanism and parameters described in the test method. Charging can be different in end-use applications.

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.

- i) ISO 630-1, Structural steels — Part 1: General technical delivery conditions for hot-rolled products
- ii) ISO 1968, Fibre ropes and cordage — Vocabulary

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1968 apply.

FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

(Please use A4 size sheet of paper only and type within fields indicated. Comments on each clause/sub clause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat's work)

Please e-mail your comments to txd@bis.gov.in

NAME OF THE COMMENTATOR/ORGANIZATION:

DOCUMENT NO: TXD 09 (28700) WC

BIS LETTER REFERENCE NO.:

Item, clause Sub-clause no. commented upon (use separate box a fresh)	Comments	Specific Proposal (Draft) clause to be added/ amended	Remarks	Technical References and Justification on which (2), (3), (4) are based
(1)	(2)	(3)	(4)	(5)