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ISO
1969

Second edition
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Ropes — Polyethylene — Specification

Cordages — Polyéthylène — Spécifications



Reference number
ISO 1969:1990(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75% of the member bodies casting a vote.

International Standard ISO 1969 was prepared by Technical Committee ISO/TC 38, *Textiles*.

This second edition cancels and replaces the first edition (ISO 1969:1976), of which it constitutes a technical revision.

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Ropes — Polyethylene — Specification

1 Scope

This International Standard specifies the main characteristics of 3- and 4-strand laid ropes made of polyethylene and gives rules for their designation.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1968:1973, *Ropes and cordage — Vocabulary*.

ISO 2307:1990, *Ropes — Determination of certain physical and mechanical properties*.

ISO 9554:1990¹⁾, *Fibre ropes — General specification*.

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 1968 apply.

4 Designation

A rope shall be designated by

- the word “rope”;

1) To be published.

- the reference number of this International Standard;
- the type of rope (type A or B);
- its reference number;
- its nature.

Example of designation:

A 4-strand polyethylene monofilament rope of reference number 40 (linear mass 785 ktex) is designated as follows:

Rope, ISO 1969, type B, 40, polyethylene

5 Types

Polyethylene ropes are classified in two types:

Type A: 3-strand hawser-laid rope;

Type B: 4-strand shroud-laid rope.

6 Characteristics

6.1 Main characteristics

The main characteristics shall be as given in table 1 (see also ISO 9554, clause 7).

6.2 Other characteristics

Other characteristics, concerning construction, manufacture, lay, labelling, packaging, invoicing and delivery lengths, shall comply with ISO 9554.