INTERNATIONAL STANDARD

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Fibre ropes — General specifications

Cordages en fibres — Spécifications générales

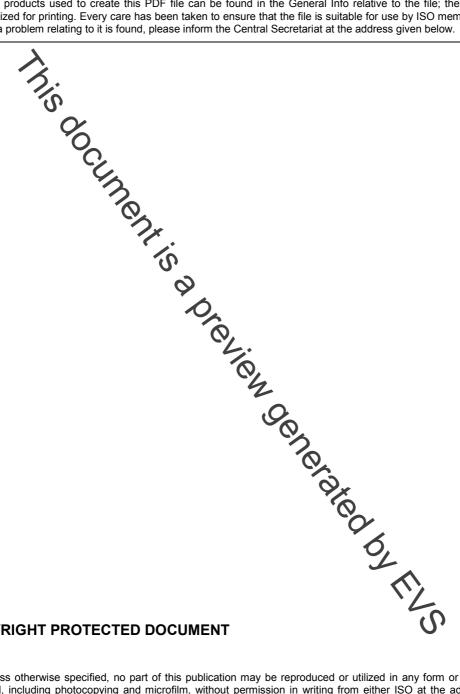


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Contents

Page

Forewo	ord	.iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4 4.1	Manufacture Constituent naerials	
4.1 4.2	Construction and structure	
4.3	Treatment	
4.3.1	Polyamide and polyester ropes	
4.3.2	Polypropylene and polyethylene ropes	3
4.3.3	Manila and sisal Workmanship	3
4.4		
5	Lay length or braid pitch	4
6	Requirements	4
7	Marking and labelling	4
7.1	MarkingGeneral	4
7.1.1	General	4
7.1.2	Ropes of reference number less than (3)	4
7.1.3	Ropes of reference number equal to or greater than 14	4
7.2	Labelling	5
8	Packaging, invoicing and delivered length.	5
8.1	Packaging and invoicing	5
8.2	Delivered length	5
8.2.1 8.2.2	Standard delivered length	5
0.2.2	Shorter delivered length due to sampling	J
9	Packaging, invoicing and delivered length	6
10	Visual quality control	6
10.1	Responsibility for inspection	6
10.2	Finished-rope visual control	6
11	Certification	6
12	Instructions for use	6
Annex	A (informative) Typical characteristics of the yarns for man-made and ratural fibres B (informative) Information on defects and variances	7
Annex	B (informative) Information on defects and variances	10
	C (informative) Information for use and maintenance to be provided by the manufacturer	
Bibliog	raphy	22

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 Maison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical control tees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires applying by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9554 was prepared by Technical Committee SO/TC 38, Textiles.

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Otolion Oonotatoo ottoo This third edition cancels and replaces the second edition (ISO 9554:2005), which has been technically revised.

Fibre ropes — General specifications

1 Scope

This International Standard specifies the general characteristics of fibre ropes and their constituent materials. It is intended to be used in conjunction with the standards for the individual types of fibre rope, which cover the physical properties and specific requirements for that particular product type.

This International Standard also gives some information on the use of fibre ropes and also on their inspection and retirement criteria.

This International Standard does not intend to address all of the safety matters associated with its use. It is the responsibility of the user to select a rope type of the size and with the physical properties to meet the requirements of the application and to determine the applicability of regulatory limitations prior to its use.

2 Normative references

The following referenced documents are indepensable for the application 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.

ISO 1140, Fibre ropes — Polyamide — 3-, 4- and 8-strand ropes

ISO 1141, Fibre ropes — Polyester — 3-, 4- and 8-strand ropes

ISO 1968, Fibre ropes and cordage — Vocabulary

ISO 2307, Fibre ropes — Determination of certain physical and mechanical properties

3 Terms and definitions

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

4 Manufacture

4.1 Constituent materials

The following materials are considered in this International Standard:

- a) natural fibres:
 - sisal;
 - manila;
 - hemp;