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**Fibre ropes for offshore  
stationkeeping —**

**Part 2:  
Polyester**

*Cordages en fibres pour le maintien en position des structures  
marines —*

*Partie 2: Polyester*



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# Contents

Page

<b>Foreword</b>	<b>iv</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Terms and definitions</b>	<b>1</b>
<b>4 Materials</b>	<b>1</b>
<b>5 Requirements — rope properties</b>	<b>1</b>
5.1 Minimum breaking strength	1
5.2 Minimum core tenacity	2
5.3 Dynamic stiffness at end of bedding-in	2
5.4 Torque properties	2
5.5 Cyclic loading performance	2
5.6 Particle ingress protection	2
<b>6 Requirements — Rope layout and construction</b>	<b>2</b>
<b>7 Rope testing</b>	<b>3</b>
7.1 Type test	3
7.1.1 General	3
7.1.2 Sampling	3
7.1.3 Breaking strength, core tenacity and stiffness tests	3
7.1.4 Cyclic loading endurance test	3
7.1.5 Linear density test	3
7.1.6 Protective cover thickness	3
7.2 Testing of current production	3
<b>8 Report</b>	<b>3</b>
<b>9 Certification</b>	<b>4</b>
<b>10 Marking, labelling and packaging</b>	<b>4</b>
<b>Annex A (normative) Fibre qualification and testing</b>	<b>5</b>
<b>Annex B (informative) Additional information and guidance</b>	<b>7</b>
<b>Bibliography</b>	<b>9</b>

## 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 38, *Textiles*.

This first edition of ISO 18692-2, together with ISO 18692-1, cancels and replaces the first edition of ISO 18692:2007, which has been technically revised.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

A list of all parts in the ISO 18692 series can be found on the ISO website.

# Fibre ropes for offshore stationkeeping —

## Part 2: Polyester

### 1 Scope

This document specifies the main characteristics and test methods of new polyester fibre ropes used for offshore stationkeeping.

NOTE Additional information and guidance can be found in [Annex B](#).

### 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.

ISO 1968, *Fibre ropes and cordage — Vocabulary*

ISO 18692-1:2018, *Fibre ropes for offshore stationkeeping — Part 1: General specification*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1968 and ISO 18692-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

### 4 Materials

The fibre used in the rope shall be high-tenacity polyester fibre, with an average tenacity not less than 0,78 N/tex and qualified and tested in accordance with [Annex A](#) and ISO 18692-1:2018, Annex A.

Rope cover material and other materials employed in rope assembly shall be in accordance with ISO 18692-1.

### 5 Requirements — rope properties

#### 5.1 Minimum breaking strength

The minimum breaking strength of the rope, when tested according to ISO 18692-1, shall conform to [Table 1](#).