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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 21328-2024

Replacing GB/T 21328-2007

Fibre ropes - General specifications

纤维绳索 通用要求

(English Translation)

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Reference

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 21328-2007 "General requirements for fiber ropes". Compared with GB/T 21328-2007, in addition to the structural adjustment in addition to editorial changes, the main technical changes are as follows.

- a) Added terms and definitions (see Chapter 3);
- b) The general provisions (see Chapter 3 of the 2007 edition) have been deleted;
- c) Added rope design (see Chapter 5);
- d) Deleted the lay length (see Chapter 5 of the 2007 edition);
- e) Added requirements (see Chapter 6);
- f) Deleted the main characteristics and tolerances (see Chapter 6 of the 2007 edition);
- g) Added tests (see Chapter 9);
- h) Added appearance quality control (see Chapter 10);
- i) Added manufacturer's declaration (see Chapter 11);
- j) Added instructions for use (see Chapter 12).

This document is equivalent to ISO 9554:2019 "General requirements for fiber ropes".

1 Scope

This document specifies the general requirements for fibre ropes and their constituent materials.

The standard documents for characteristics and specific requirements are used together.

This document provides some information on the use, inspection and scrapping standards of fiber ropes.

and all safety matters.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

Note: GB/T 40273-2021 Terminology of fiber ropes (ISO 1968:2004, MOD) Note. GB/T 8834-2016 Determination of physical and mechanical properties of fiber ropes (ISO 2307:2005, IDT)

3 Terms and definitions

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

ISO and IEC maintain terminology databases used for standardization at the following URLs.

Strandinterchange

In a braided rope, one (or more) strands of rope overlap and continue along the same path, presenting an interlaced and continuous form.

The minimum strength that a fibre rope should achieve when tested in accordance with recognised procedures/test methods.

Note: MBS is set by each manufacturer based on its own internal statistical method after breaking strength testing. In Appendix D, two methods are provided that can be used to calculate Statistical methods for MBS.

4.1 Component materials

This document refers to the following materials.

a) Natural Fibers.