

ICS 93.040

CCS P28



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

GB/T 18365-2018

Replacing GB/T 18365-2001

**Hot-extruded PE protection paralleled high strength wire cable
for cable-stayed bridge**

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Table of Contents

Foreword

1 Scope

About this edition

Classification and status

How a Chinese national standard is set out

About this English translation

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 18365-2001 "Technical conditions for hot-stretched polyethylene high-strength steel cables for cable-stayed bridges". With GB/T 18365- Compared with.2001, the main technical changes are as follows:

- Added terms and definitions for built-in vibration dampers (see 3.1.6);
- Increased the classification of cables (see 4.1);
- Revised the model representation of cables and anchors (see 4.4,.2001 version 4.2);
- Increased zinc-aluminum alloy coating steel wire material (see 5.2.1);
- Increased high-strength steel wire strength level (see 5.2.1.3);
- Removed no relaxation of steel wire and Class I relaxation requirements (see version 4.5.1.7 of the.2001 edition);
- Modify the main performance indicators of high-density polyethylene sheath material (see 5.2.2, version 4.5.2 of the.2001 edition);
- Increased anchorage filler strength definition (see 5.2.4.2);
- Increased the definition and requirements of the cable attachments (see 5.2.6);
- Modify the process performance requirements (see 5.4, Chapter 5 of the.2001 edition);
- Increased material testing methods (see 6.2);

1 Scope

GB/T 18365-2018 is the Chinese national standard on hot-extruded pe protection paralleled high strength wire cable for cable-stayed bridge, in the field of civil engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 7 June 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2019. Classification: ICS 93.040, CCS P28. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the classification, product structure, specifications and models, technical requirements, test parties of hot extruded polyethylene high strength steel wire cables for cable-stayed bridges. Laws, inspection rules, and signs, packaging, transportation, and storage requirements. This standard applies to the production, inspection and use of hot extruded polyethylene high-strength wire ropes for cable-stayed bridges.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 228.1 Tensile test of metallic materials Part 1. Test method at room temperature

GB/T 231.1 Brinell hardness test for metallic materials - Part 1. Test method Repeated bending test method for

GB/T 238 metal material wire

GB/T 239.1 Wire for metallic materials - Part 1. One-way torsion test method GB/T 470 zinc ingot

GB/T 699 high quality carbon structural steel

GB/T 1839 Quality Test Method for Galvanized Steel Products

GB/T 2972 galvanized steel wire zinc layer copper sulfate test method

GB/T 2976 wire rod test method for metallic materials

GB/T 3077 alloy structural steel

GB/T 4162-2008 Ultrasonic testing method for wrought steel bars

GB/T 4237 stainless steel hot rolled steel plate and strip

GB/T 4956 Magnetic coating on non-magnetic covering layer thickness magnetic method

GB/T 5796.1 trapezoidal thread - Part 1. Shapes

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