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

CJ/T 504-2016

Replacing CJ/T 3058-1996

Cable with the sheath of high density polyethylene

高密度聚乙烯护套钢丝拉索

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces CJ 3058-1996 "plastic sheath semi-parallel wire cable" revision, compared with the CJ 3058-1996 main technology Change as follows.

- Standard name changed to "high-density polyethylene sheath wire cable";
- Modify the definition of some terms (see 3.1);
- Canceled the use of smooth steel wire, the new zinc-aluminum alloy coated steel wire (see 1996 version 4.1; this standard 5.1.2);
- Modify the strength of the wire rope level (see 6.1.1.1, 1996 version 6.1.1.2);
- Extend the specifications of the cable strength levels (see Appendix A);
- Modify the cable anchor material, testing and corrosion requirements (see 6.1.4, 6.1.5, 1996 version 6.1.4, 6.1.5, 6.3, 6.4);
- Modify the cable part of the performance indicators (see 6.2, 1996 version 6.2);
- Added cable bending fatigue test, static and dynamic watertightness test (see 7.4.8, 7.4.9);
- Modify the high density polyethylene sheath material performance indicators (see

6.1.2,1996 version 6.1.2).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Road and Bridge Standardization Technical Committee.

This standard was drafted. Shanghai Municipal Engineering Design and Research Institute (Group) Co., Ltd., Shanghai Greenland Construction (Group) Co., Ltd., Jiang Sufaer Sheng Cable Co., Ltd., Shanghai Pujiang Cable Co., Ltd., Fujian Xu Jian Municipal Gardens Project Co., Ltd., Fujian Mori Building Limited.

1 Scope

This standard specifies the terms, definitions and symbols of high-density polyethylene sheath wire cable, product structure, specifications, classification and marking, requirements, Test methods, inspection rules, marking, packaging, transport and storage.

This standard applies to urban and highway bridges with cable, cable structure of other projects can be implemented with reference.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 231.1 Brinell hardness test of metallic materials - Part 1. Test methods GB/T 699 high-quality carbon structural steel GB/T 4162 Wrought steel rod ultrasonic testing methods Nonmagnetic coatings on magnetic substrates - Measurement of thickness of coatings - Magnetic method GB/T 6402 steel forgings ultrasonic testing methods GB/T 7233.1 Steel castings ultrasonic testing - Part 1. General purpose castings GB/T 9444 castings magnetic particle testing GB/T 11352 General engineering cast carbon steel parts GB/T 12359 trapezoidal thread limit size GB/T 15756 ordinary thread limit size Cable stayed cables - Technical requirements for hot - extruded polyethylene high - strength steel wire cables GB/T 18365 Pressure - sensitive adhesive tapes for electrical purposes Part 2. Test methods CJ/T 297 high density polyethylene cable sheathing material CJ/T 495 Steel wire for city bridge cables JB/T 4730.4 Nondestructive testing of pressure equipment Part 4. Magnetic particle testing YB/T 036.7 General technical conditions for the manufacture of metallurgical equipment Forgings

3.1 Terms and definitions

3.1.1

High - density polyethylene sheath steel wire rope with wirecablewiththesheathofhighdensitypolyethylene Will be the same number of the same diameter steel wire, parallel bundling, large twist pitch concentric left-handed twist, and then wrapped around the tape wrapped around the right twist, and then hot-extruded Wire rope made of single or double high-density polyethylene sheath. Hereinafter referred to as cable.

3.1.2

Anchor socket

Cable and structure of the connecting member, fixedly installed in the cable ends, cable tension through the structure passed to it.