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

GB/T 18015.6-2025

Replacing GB/T 18015.6-2007

**Multicore and symmetrical pair/quad cables for digital communications - Part 6:
Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz -
Working area wiring - Sectional specification**

数字通信用对绞或星绞多芯对称电缆 第6部分：具有1000MHz及以下传输特性的
对绞或星绞对称电缆 工作区布线电缆 分规范

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 6 of GB/T 18015 "Twisted or Star-Twisted Multi-Core Symmetrical Cables for Digital Communication". GB/T 18015 has been issued.

The following parts were laid out.

- Part 1: General Specifications;
- Part 11: General Specifications for Competency Accreditation;
- Part 2: Horizontal Cabling Cables with Twisted Pair or Star-Shaped Symmetrical Cables and Transmission Characteristics of 100MHz and Below specification;
- Part 21: Detailed Specifications for Blanking Cables in Horizontal Cabling Layers;
- Part 22: Horizontal Cabling Cable Capability Approval Specification;

- Part 3: Work Area Cabling Cable Specifications;
- Part 31: Detailed Specifications for Blank Cabling in Work Areas;
- Part 32: Work Area Cabling Capability Approval Specification;
- Part 4: Specifications for Vertical Cabling Cables;
- Part 41: Detailed Specifications for Vertical Cabling Cable Blanks;
- Part 42: Vertical Cabling Cable Capability Accreditation Specification;
- Part 5: Horizontal Cabling Cables with Twisted Pair or Star-Shaped Symmetrical Cables and Transmission Characteristics of 1000MHz and Below specification;
- Part 6: Work Area Cabling Cables for Twisted Pair or Star-Twisted Symmetrical Cables with Transmission Characteristics of 1000MHz and Below specification;
- Part 7: Twisted-pair or star-twisted symmetrical cables for digital and analog communication with transmission characteristics of 1200MHz and below specification;
- Part 8: Cabling specifications for work area cabling of twisted-pair or star-twisted symmetrical cables with transmission characteristics of 1200MHz and below.

This document replaces GB/T 18015.6-2007 "Digital Communication - Twisted Pair or Star-Twisted Multi-Core Symmetrical Cables - Part 6: Cables with..." "Specifications for Working Area Cabling of Twisted Pair or Star-Twisted Symmetrical Cables with Transmission Characteristics of 600MHz and Below", in accordance with GB/T 18015.6-Compared to 2007, aside from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The scope has been expanded to include cable categories and support for remote power supply (see Chapter 1);
- b) The range and requirements for cable operating temperatures in climatic conditions have been changed (see 4.3, 1.4 of the 2007 edition);
- c) Increased requirements for cable bending radius (see 4.2);
- d) The requirements for the nominal diameter of the conductor have been changed (see 5.2.1, 2.2.3 of the 2007 edition);
- e) The insulation requirements have been changed (see 5.2.2, 2.2.4 of the 2007 edition);
- f) The insulating chromatogram has been removed (see 2.2.5 in the 2007 edition);
- g) The requirements for the transmission performance test length have been changed (see 6.1, 3.3 of the 2007 edition);
- h) A test method without baluns has been added (see 6.1);