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ICS 33.180.10
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4379-2023

Optical fiber life prediction model

光纤寿命预测模型

(English Translation)

Issued on: July 28, 2023 **Implemented on: November 1, 2023**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4379-2023

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1 Foreword

YD/T 4379-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 2023.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the mechanical reliability life prediction model and model parameter testing methods for quartz optical fiber based on the power law. This standard is applicable to the theoretical life prediction and influencing factors analysis of mechanical reliability of quartz optical fiber products.

YD/T 4379-2023 falls under ICS 33.180.10, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

YD/T 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

GB/T 9771.1-2008 - Single-mode optical fibres for telecommunication -- Part 1: Characteristics of a dispersion unshifted single-mode optical fibre

GB/T 18480-2001 - Specification for submarine optical fiber cables

YD/T 4378.3-2026 - Coherent driver modulator subassembly - Part 3: 1.2Tb/s

YD/T 4375.4-2025 - Test methods for door access control of intelligent optical distribution network - Part 4: Interface

YD/T 4377.2-2024 - Optical transceiver module software management interface - Part 2: QSFP /QSFP28

5 Classification and status

International classification (ICS): 33.180.10

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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