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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4020.4-2023

Single-fiber bidirectional wavelength division multiplexer for metropolitan area access - Part 4: MWDM

城域接入用单纤双向波分复用器 第4部分：MWDM

(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-4020-4-2023

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1 Foreword

YD/T 4020.4-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 2023.

It is one of 4 parts of the YD/T 4020 series.

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.

2 Scope Preview

This standard specifies the terms and definitions of single-fiber bidirectional medium wavelength division multiplexers (BiDi-MWDM) for metropolitan access networks, and specifies the technical requirements for BiDi-MWDM interfaces, wavelength allocation, optical characteristics, environmental compliance, etc. Describes the corresponding test methods, reliability tests, inspection rules, marking, packaging, transportation and storage, etc. This standard applies to the design, development, production and testing of BiDi-MWDM for metro access networks.

YD/T 4020.4-2023 falls under ICS 33.180.01, 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.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

YD/T 4020.1-2022 - Single Fiber Bidirectional Wavelength Division Multiplexer for Metro Access - Part 1: DWDM

YD/T 4020.2-2023 - Part 2: CWDM

YD/T 4020.3-2024 - Single-fiber bidirectional wavelength division multiplexer for metropolitan access - Part 3: LWDM

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

5 Classification and status

International classification (ICS): 33.180.01

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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