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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4020.2-2023

Single-fiber bidirectional wavelength division multiplexer for metropolitan area access - Part 2: CWDM

城域接入用单纤双向波分复用器 第2部分：CWDM

(English Translation)

Issued on: December 20, 2023 **Implemented on: April 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4020-2-2023

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1 Foreword

YD/T 4020.2-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

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 coarse wavelength division multiplexer (hereinafter referred to as BiDi-CWDM) for metro access, and specifies the interface, wavelength allocation, optical characteristics, environmental adaptability, and environmental protection compliance of BiDi-CWDM. Safety and other technical requirements, describing the corresponding test methods, reliability tests, inspection rules, marking, packaging, transportation and storage, etc. This standard applies to the design, development, production, testing and inspection of single-fiber bidirectional coarse wavelength division multiplexers for metro access.

YD/T 4020.2-2023 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 4020.3-2024 - Single-fiber bidirectional wavelength division multiplexer for metropolitan access - Part 3: LWDM

YD/T 4020.4-2023 - Part 4: MWDM

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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