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ICS 33.180.10
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4618-2023

Technical requirements and test methods for optical fiber fusion splicers for communication optical cable lines

通信光缆线路用光纤熔接机技术要求和试验方法

(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-4618-2023

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1 Foreword

YD/T 4618-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

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 technical requirements for the splicing process, splicing time, splicing loss, splicing point tension, heating performance, cycle times, environmental adaptability, etc. of quartz single-mode optical fiber splicing machines for communication optical cable lines. It also describes the corresponding test methods and provides A product classification is developed to facilitate technical regulations. This standard is applicable to the production, testing and acceptance of quartz single-mode optical fiber fusion splicers for communication optical cable lines. It is not applicable to multi-core optical fiber fusion splicers. Quartz multi-mode fiber fusion splicers can also be used for reference.

YD/T 4618-2023 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.

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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

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 4611-2023 - Overall technical requirements for software-defined optical network (SDON) management and control system (MCS)

YD/T 4610-2023 - Sliced Packet Network (SPN) fine-grained bearer technical requirements

YD/T 4609-2023 - Slice Packet Network (SPN) Southbound Interface Test Method

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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