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ICS 33.180.99
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6450-2025

Intelligent optical distribution network adapter dust plug

智能光分配网络 适配器防尘插塞

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6450-2025

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1 Foreword

YD/T 6450-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 2025.

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 terms and definitions for dustproof plugs for adapters used in intelligent optical distribution networks, and specifies the appearance, structure, environment, materials, etc. of intelligent dustproof plugs. This standard describes the technical requirements for functions and performance, the corresponding test methods, and specifies inspection rules, marking, packaging, transportation, and storage. It applies to the design, production, testing, and inspection of dustproof plugs for adapters used in intelligent optical distribution networks. Other intelligent optical distribution facilities used in networks with fiber optic connections can refer to this standard.

YD/T 6450-2025 falls under ICS 33.180.99, 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 1114-2026 - Halogen-free flame retardant optical fibre cable

YD/T 6449-2025 - Reliability test method for non-hermetic optoelectronic devices used in communications

YD/T 6442-2025 - Technical requirements for broadband customer networking based on public telecommunication network - Fiber-to-the-room (FTTR)- Network management

5 Classification and status

International classification (ICS): 33.180.99

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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