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ICS 33.180.01
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4305.2-2024

Optical-electrical hybrid connectors for communications - Part 2: Duplex LC type

通信用光电混合活动连接器 第2部分：双工LC型

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4305.2-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

It is one of 4 parts of the YD/T 4305 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 document specifies requirements of the classification, interface graphics and mating dimensions, endfaces, optical and electric performance, materials and environmental compliance, describes related test methods, and specifies quality assessment procedures, inspection rules, marking, packaging, transport and storage for Type duplex LC optical-electric hybrid connectors (hereinafter referred to as "optical-electric connectors"). This document is applicable to the design, development, production and inspection of Type duplex LC optical-electric hybrid connector for telecommunication in the application

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scenarios of park/indoor wireless, office and monitoring. This document may apply to Type duplex LC optical-electric hybrid connector for telecommunication in other application scenarios.

YD/T 4305.2-2024 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.

3 Normative references

GB/T 2828.1-2012 - Sampling procedures for inspection by attributes-Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

GB/T 26572-2011 - Requirements of concentration limits for certain restricted substances in electrical and electronic products

GB/T 39560 (all parts) - Determination of certain substances in electrical and electronic products

YD/T 1272.1-2018 - Optical fiber connector-Part 1 : Type LC

YD/T 1272.3-2015 - Optical fiber connector-Part 3 : Type SC

YD/T 2152-2010 - The requirement of reliability and test methods for optical fiber connectors

YD/T 4305.1-2023 - Hybrid optoelectronic connectors for communication - Part 1: Type SC

SJ/T 11364-2014 - Marking for the restriction of the use of hazardous substances in electrical and electronic product

4 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

5 Related standards

Other parts of this standard:

YD/T 4305.1-2023 - Hybrid optoelectronic connectors for communication - Part 1: Type SC

YD/T 4305.3-2025 - Optical-electric hybrid connector for telecommunication - Part 3: Type single LC

YD/T 4305.4-2024 - Part 4: Type XC

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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

6 Classification and status

International classification (ICS): 33.180.01

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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