

What is the function of the optical module pull ring

Article Overview

The optical module pull ring primarily serves as a visual identifier, allowing technicians to quickly determine the module's fiber type, wavelength, transmission distance, and function without removing it from the port.

Core Function

The pull ring on an optical module acts as a visual cue for network engineers, enabling rapid identification of the module's specifications. This includes distinguishing between single-mode and multi-mode fibers, identifying the operating wavelength, and understanding the intended transmission distance. By using the pull ring, technicians can efficiently select, install, or troubleshoot modules in complex fiber optic networks without needing to read detailed labels or remove the module from the port, which improves operational efficiency and reduces downtime .

Color Coding and Identification

Pull rings often use standardized colors to convey information:

- o Black: Multimode fiber, 850nm wavelength, short-distance transmission (typically

The SFP metal pull ring (bail latch) is a heavy-duty ejector mechanism for SFP optical modules. Compared to plastic pull rings, the

Optical module usually consists of a transmitter assembly (TOSA, containing a laser LD chip), a receiver assembly

The external accessories are composed of a shell, a base, a PCBA, a pull ring, a buckle, a unlocking piece, and a

In this blog, we'll explore the core structure of an optical transceiver, explaining the function of each part and how they

The composition of the SFP optical module is: Laser (including transmitter TOSA and receiver ROSA), circuit board

Generally, manufacturers will distinguish the color of the pull ring. For example, the black pull ring is

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multi-mode and

Explore the world of optical link modules, essential components in optical fiber communication. Learn about the different types of

Rectangular blue SFP pull ring for optical modules. Durable, easy-grip design ensures quick installation and removal with reliable

This blog ETU-LINK will show you how to identify the wavelength of CWDM optical module through the color of the

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals,

On the one hand, this pull ring body is cyclic annular enclosed construction, and has intensity height, and non-deformable"s

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics

Each SFP module operates at a specific wavelength, and to avoid confusion, manufacturers use color-coded pull rings for easy

Their main function is to identify the type, wavelength, and function, allowing technicians to quickly determine its type and use case

SFP optical modules generally support hot-plugging, which requires an unlocking operation when inserting or removing the module

Its core function is to quickly identify the module"s applicable fiber type, wavelength, and function. This helps

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