

Different colored pull ring optical modules can



AI Overview

Different colored pull rings on optical modules serve as a visual identification system for wavelength, fiber type, transmission distance, and module function.

Purpose of Pull Ring Colors

The color of an optical module's pull ring allows technicians to quickly identify the module's type, wavelength, and intended use without removing it from the port, improving efficiency and reducing errors during installation and maintenance. This system is widely used in SFP, SFP+, CWDM, and BiDi modules.

Common Color Codes and Applications

- Multimode Fiber Modules: Typically have a black pull ring and operate at 850nm, suitable for short-distance transmission up to 550 meters.
- Single-Mode Fiber Modules:
 - Blue: 1310nm, medium-distance transmission (up to 10 km)
 - Purple: 1490nm, often used in bidirectional (BiDi) applications like GPON/FTTx
 - Yellow/Green: 1550nm, long-distance transmission (40-80 km or more) depending on the module
- CWDM Modules: Use 18 different wavelengths between 1270nm and 1610nm, each with a unique pull ring color for easy identification in dense wavelength networks.
- BiDi Modules: Transmit and receive on a single fiber using different wavelengths f...

Article Content

Apr 15, 2026

Understanding Transceiver Pull Tab Colors: Wavelengths & Fiber Types

Learn how to identify optical transceivers by pull tab color. This guide explains wavelength, distance, and fiber

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Optical module pull ring unlocking mechanism and method

The optical module pull-ring unlocking mechanism provided by the invention has a simple structure, combines several functions on a

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How to distinguish the wavelength by the color of the pull ring of the ...

Commonly used optical modules have four wavelengths,850nm,1310nm,1490nm and 1550nm.Among them,the pull ring color of the

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Understanding SFP Modules: Wavelength and Color Codes

□□ Understanding SFP Optical Modules – Wavelength & Pull Ring Color Codes When working with networking and fiber optics, SFP

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The meaning of the optical module with different color pull ring

By quickly identifying light modules through color, engineers can more efficiently complete network upgrades and expansions,

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Pull ring device suitable for optical module

The utility model relates to a pull ring device, in particular to a pull ring device suitable for an optical module, and belongs to the

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Optical module

An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical

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The Most Comprehensive Guide Of Optical Modules

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

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Pull ring, unlocking mechanism and optical communication module

The invention aims to overcome the defects in the prior art, and provides an unlocking mechanism which is simple in structure and

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Optical Module Pull Tab Colors: The Ultimate Guide to SFP, QSFP,

Optical Module Pull Tab Colors: Complete Guide to SFP, QSFP, and CWDM Coding
Description: Decode optical

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Distinguish the wavelength by the color of the pull ring

Distinguish the wavelength by the color of the pull ring of the optical module. In order to

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How to Identify the Wavelength of SFP CWDM Optical Modules

For a conventional optical module, we can easily judge the wavelength of the optical module from the color of the latch ring. For

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How to Identify Optical Transceiver Wavelengths by Pull-Tab Color□

One key method of visual identification is the color of the transceiver's pull tab, which corresponds to its wavelength.

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Introduction To Two Common Unlocking Mechanisms For Optical Modules

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

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How to Identify Optical Transceiver Wavelengths by Pull

This article provides a professional guide on transceiver pull tab color codes by

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Meaning of Optical Module Pull Tap Colors

Optical module pull tab colors serve as a visual language in network operations and maintenance. Their core value lies

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Understanding SFP Modules: Wavelength and Color Codes

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

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Optical Module Pull Tab Colors: The Ultimate Guide to SFP, QSFP,

Description: Decode optical module pull tab colors for SFP, QSFP+, BIDI, and CWDM modules. Learn how color

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Explanation Of SFP Optical Module Plugging And

The optical module structure and the corresponding host optical port comply with MSA

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How to Distinguish the Wavelength by the Color of the

Among them, the color of the pull ring corresponding to 850nm of the Gigabit SFP module is

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How to distinguish the wavelength form the ring color of the optical ...

The ring color of the optical transceivers are colorful, different colors corresponding to different wavelength. In order to

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How to Distinguish the Wavelength by the Color of the Pull Ring of the ...

In order to distinguish optical modules, different manufacturers can distinguish them by their wavelength, transmission distance,

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A pull ring unlocking structure of an optical module

The utility model provides a pull-ring unlocking structure of an optical module, which integrates an upper cover and a sliding block

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Why do some optical modules have colored tabs? Here's the

This satisfying clip shows the precise moment a colored pull-tab sleeve is secured. Each

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Introduction of SFP Optical Module| Four-Faith

Generally, manufacturers will distinguish the color of the pull ring. For example, the black pull ring is multi-mode and

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What Is an Optical Module and Its FAQs (V200)

The biggest difference between colored optical modules and other types of optical modules lies in the center wavelength. Generally,

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Meaning of Optical Module Pull Tap Colors

II. Pull Tap Colors Distinguish Different Specifications of Optical Modules 1. Basic Color Identification for Single-Mode and Multi

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