

The color of the optical module pull ring mainly indicates



Summary of Content

The color of an optical module pull ring indicates its wavelength, fiber type, and transmission distance, allowing technicians to quickly identify the module without removing it.

Core Function of Pull Ring Colors

The pull ring color on an optical module is not merely decorative; it serves as a visual identifier for the module's operating wavelength, fiber type (single-mode or multi-mode), and typical transmission distance. This helps technicians perform rapid installation, troubleshooting, and inventory management without needing to read detailed labels or datasheets .

Common Color Codes for SFP/SFP+ Modules

- Black (850nm) – Multimode fiber, short-distance transmission (up to ~550m)
- Blue (1310nm) – Single-mode fiber, medium-distance transmission (up to ~10km)
- Purple (1490nm) – Often used for bidirectional (BiDi) single-fiber modules, medium-distance applications such as GPON/FTTx
- Yellow/Green (1550nm) – Single-mode fiber, long-distance transmission; yellow typically for 40km+, green for ultra-long distances up to 80km or more

BiDi (Bidirectional) Modules

Article Content

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

The color of the pull ring corresponding to the wavelength of 850nm is black, the color of the pull ring of 1310nm is

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

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

In the field of fiber optic networking, identifying the right transceiver quickly is essential to maintain high performance

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

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

While small, the colored pull tab on an optical module holds essential technical information. This guide explains how

The meaning of the optical module with different color pull ring

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

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

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

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

See the table for details: For the CWDM optical module,the color of its pull ring is colorful,with a total of 18 wavelengths.The

The optical module must have a pull ring

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

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

One of the most effective and widely used methods is through the pull-tab color on transceiver modules. This simple

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.

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,

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

10G dual-fiber optical module mainly has three wavelengths: 850nm, 1310nm, and 1550nm. The color of the pull ring corresponding

Understanding SFP Modules: Wavelength and Color Codes

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

Meaning of Optical Module Pull Tap Colors

The color of the optical module pull tap is not just for aesthetics. Its core function is to quickly identify the module's

Explanation Of SFP Optical Module Plugging And

After installing the optical module, insert the corresponding fiber jumper horizontally into the

The blue pull ring on the optical module indicates single-mode operation

The blue pull ring on the optical module indicates single-mode The pull tab color is a visual coding system designed for rapid

Quick Guide: Identifying CWDM SFP Wavelength Using Latch Ring

One of the easiest ways to distinguish CWDM SFP wavelengths is by the color of the pull ring or latch ring. This guide will explain the

Methods For Distinguishing Optical Module Types

1. Distinguish by the Color of Module Pull Tabs For modules with distinctly different pull tab colors, you can

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

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

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://madibabayelectrical.co.za>

Email: sales@madibabayelectrical.co.za

Phone: +27 63 947 2185

Address: 15 Fredman Drive, Sandton, Johannesburg, 2196, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

