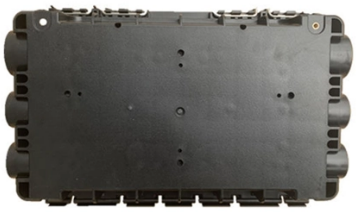
What do the yellow and blue colors on optical modules mean



Overview

How to Identify Optical Transceiver Wavelengths by Pull-Tab Color This article provides a professional guide on transceiver pull tab color codes by wavelen.

Key Takeaways

Yellow optical modules indicate single-mode fiber, while blue modules typically denote a standard PC connector.Yellow Optical Modules

In fiber optic systems, a yellow jacket is used to identify single-mode fibers (OS1/OS2). These fibers are designed for long-distance communication and are commonly used in telecom backbones, campus networks, and ISP links. The yellow color provides a quick visual cue for technicians to distinguish single-mode fibers from multimode fibers, which use different jacket colors such as orange (OM1/OM2) or aqua (OM3/OM4) for multimode applications .

Blue Optical Modules

The blue color is typically applied to the connector body or boot of a fiber optic module, indicating a standard PC (Physical Contact) polish. This is common for single-mode fiber connectors, where the blue color helps differentiate PC connectors from green APC (Angled Physical Contact) connectors, which are used for low back-reflection applications .

Summary
• Yellow jacket: Single-mode fiber (OS1/OS2), suitable for long-distance transmission .

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• Blue connector: Standard PC connector, used with single-mode fibers for general-purpose connections . This color coding ensures proper identification, reduces miswiring, and maintains consistency across installations, following the TIA-598-C standard for fiber optic color codes .

Article Content

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Color temperature

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