

Common Colors for Optical Cables



Article Overview

Optical cables use standardized colors to identify fiber types, individual strands, and cable jackets, with yellow for single-mode, orange or aqua for multimode, and additional colors for high-density or special-purpose fibers.

Fiber Jacket Colors

The outer jacket color of a fiber optic cable provides an immediate visual cue about the fiber type and its intended use:

- Yellow: Single-mode fibers (OS1/OS2), used for long-distance communication indoors or outdoors .
- Orange: Older multimode fibers (OM1/OM2), typically designed for LED light sources and short-distance networks .
- Aqua: Laser-optimized multimode fibers (OM3), supporting 10–100 Gb/s over short distances .
- Erika Violet: Some OM4 fibers, indicating higher bandwidth and longer distance capability compared to OM3 .
- Lime Green: OM5 fibers, optimized for SWDM applications and high-speed multi-wavelength transmission .
- Other colors: Custom jackets may be used for in-building distribution, interconnect cords, or breakout cables to indicate classification or fiber specifications .

Individual Fiber Colors

Within multi-fiber cables, each fiber is color-coded according to the TIA-598-C standard to simplify identification and reduce miswiring:

Article Content

Decoding the Fiber Optic Color Codes

Aqua: This color is commonly used for newer MMF cables offering greater bandwidth and speed. The use of aqua distinguishes

Fiber Optic Color Code Chart & Cable Guide | PHILISUN

Use this fiber optic color code chart for 12 fiber colors, jacket colors, connector colors, UPC/APC polish, buffer tubes

Fiber Optic Color Code: Comprehensive Guide | BradyID

Fiber optic cables are thin, flexible strands of glass or plastic used in telecommunications, data transmission and other applications

Fiber Optic Color Code: Complete Guide 2026

Each color corresponds to a specific fiber or function. For instance, the first twelve fibers in a cable follow a standardized order

Ethernet Cable Color Coding Diagram

Ethernet Cable Color Coding Diagram for: • Category-5 cables • Category-5E cables • Category-6 cables • Category-6E cables The

Contact Us

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