

Om3 Fiber Color Ring



Article Overview

OM3 multimode fiber is typically identified by an aqua jacket, and additional ring markings may be used for high-count cables to distinguish individual fibers.

OM3 Fiber Color Identification

OM3 is a laser-optimized 50/125 μm multimode fiber designed for high-speed networks using VCSELs, supporting 10, 40, or 100 Gb/s over short distances (up to 300 meters at 10G) . The standard jacket color for OM3 is aqua (hex: #00B6C1), which helps technicians quickly identify the fiber type in patch panels, cable trays, or splice closures .

Ring Markings for High-Count Cables

For cables containing more than 12 fibers, ring markings are applied to individual fibers to differentiate them within a bundle. This is often done according to IEC or DIN standards, where fibers 13-24 receive an additional ring marking to maintain proper identification in hybrid or high-density cables . Corning's ColorPro® technology also enables colored and ring-marked variants of OM3 fibers, simplifying inventory management and installation .

Comparison with Other Multimode Fibers

- OM2: Typically gray jacket, 50 μm core, 500 MHz·km bandwidth at 850 nm .
- OM4: Aqua jacket like OM3, sometimes violet depending on manufacturer, higher bandwidth (4,700 MHz·km at 850 nm)

Article Content

Corning & Accu-tech: Introduction to Fiber Color Codes

These color codes are set by the EIA/TIA-598 standards guide identification for fiber and fiber related units that determines which

Fiber Color Codes Explained: OM1, OM3, OM4, OM5 & Singlemode Colors

Confused by fiber optic cable colors? Learn what OM1, OM3, OM4, OM5, and Singlemode fiber colors mean, how to identify each

Fiber Cable Assembly FAQs | AFL Global

A: OM1, OM2, OM3 and OM4 represent different generations of multimode fiber (MMF). OM1 is 62.5µm core diameter, while OM2,

Multi-mode optical fiber

Multi-mode optical fiber is a type of optical fiber mostly used for communication over short distances, such as within a building or on a

OM3 vs OM4 Multimode Fiber: What's the difference?

OM3 fiber and OM4 fiber are both laser-optimized multimode fibers with 50/125µm fiber cores, which need to meet the

Corning® ClearCurve® OM2, OM3, and OM4 Optical Fibers

Corning fibers with ColorPro® identification technology deliver better efficiency in cable manufacturing, simplify inventory

Color Codes Card

Guide To Fiber Optic Color Codes Fibers, Loose Tubes & Ribbons Blue Orange Green Brown Slate White Red Black Yellow Violet

Optical Specifications Corning® ClearCurve® OM2, OM3,

ntification Technology ClearCurve OM2, OM3, and OM4 fibers are also available in colored and ringmarked variants, enabled by

UNDERSTANDING FIBER JACKET COLOR CODING

Fiber Connector Color Coding Fiber connectors and the connector/strain-relief boot are also color coded, although often the boot

Corning® ColorPro® Identification Technology

That's why Corning offers colored and ringmarked fibers featuring ColorPro ® identification technology. By taking the coloring step

Fiber-optic color coding of connectors, adapters and coats

Fiber-optic color coding of connectors, adapters and the corresponding jacket colors.
Representation of the fiber coding

OM3 vs OM4 Fiber Optic Cables: Key Differences Explained

OM3 Basics OM3 is a common type of multimode fiber. It utilizes a 50-micrometer core size and is capable of multi-gigabit data

Fiber Color Codes Explained: OM1, OM3, OM4, OM5 & Singlemode

Watch the video to learn how to quickly identify OM1, OM3, OM4, OM5, and singlemode fiber by jacket color and understand what

Contact Us

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