

Indoor OM3 multimode fiber optic cable



AI Overview

Indoor OM3 multimode fiber optic cables are 50/125 μm laser-optimized fibers designed for high-speed 10G Ethernet and indoor backbone applications, available in plenum or riser-rated versions.

Overview OM3 fiber is a 50-micron multimode fiber optimized for laser-based equipment, supporting 10 Gbit/s Ethernet over distances up to 300 meters at 850 nm. It is commonly used in data centers, enterprise backbones, and campus networks where high bandwidth and low latency are required. OM3 fibers are tight-buffered, making them easier to terminate and suitable for indoor installations without additional fan-out kits.

Key Features

- Fiber Type:** Multimode OM3, 50/125 μm , Corning ClearCurve or equivalent.
- Bandwidth:** 2000 MHz·km at 850 nm, supporting high-speed data transmission.
- Attenuation:** Maximum 3.0 dB/km at 850 nm and 1.0 dB/km at 1300 nm.
- Strand Counts:** Available in 2, 6, 12, 24, and 48 strands for flexible deployment.
- Jacket Ratings:** Plenum (OFNP) or riser (OFNR), flame-retardant, low-smoke PVC or FEP for safety in indoor spaces.
- Strength Members:** Aramid yarn for tensile strength and durability during installation.
- Tight Buffer Diameter:** 900 μm for easy handling and termination.
- Bend Radius:** Minimum 7.2 cm during installation and 4.8 cm during operation for 6-strand cables.

Applications

- Indoor OM3 multimode fiber is ideal for:**
- Data Centers & Server Farms:** High-density interconnections between servers, switches, and storage devices.
- Enterprise & Campus Networks:** Multi-floor or multi-building backbone cabling.
- Telecom & Backhaul Networks:** Short-range high-speed links within buildings.
- High-Resolution Video & Media Centers:** Supports 4K/8K video transmission.
- Healthcare & Research Facilities:** Real-time transmission of large datasets like MRI or genomic data.

Installation Considerations

- Indoor Use:** Tight-buffered design allows direct termination to equipment.
- Plenum Spaces:** OFNP-rated jackets meet NFPA 262 standards for low smoke and flame resistance.
- Riser Spaces:** OFNR-rated cables suitable for vertical r...

Article Content

Fiber Optic Cable Types: A Complete Guide

The plethora of fiber optic cable types can seem overwhelming, but choosing the right cable for the job is important. Read on to learn what fiber optic

Fiber Optic Cable Types Explained

Like we mentioned above, indoor fiber optic cable comes in several different types, including single-mode and multimode cable. It also comes available in different

TLC 72 Fiber MM 50um OM3 Micro Distribution Fiber Optic Cable

OverviewThe TLC 72 Fiber Multimode 50um OM3 Micro Distribution Fiber Optic Cable is engineered for high-density indoor environments where space optimization is critical. Designed for data centers and

Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4

Identified by ISO 11801 standard, multimode fiber optic cables can be classified into OM1 fiber, OM2 fiber, OM3 fiber, OM4 fiber and newly released

Fiber Optic Cable Supply | Buy Fiber Optic Products

This is a LightWave Multimode OM3 LC-LC Fiber Patch Cable, Part No. 791818OM3DXXXMR1 — a duplex-style fiber optic cable perfectly capable of

6 Strand Indoor OM3 Fiber Optic Cable | Fiber By the

It utilizes 900µm Tight Buffers, Aramid yarn strength members, and exclusive use of Corning ® optical fibers. This cable is rated for all indoor installations, including

OM3 50/125 Multimode Bulk Fiber Optic Distribution Cable

Tight-buffered indoor distribution cable designed for intrabuilding backbone runs. Save money and reduce waste by ordering cable in the exact length you need. Cable is in stock. No long lead times.

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Premium OM3 50/125 Multimode Fiber Optic Patch Cable - LSZH Fibre Optic Multimode OM3 Laser-Enhanced Patch Cables (50/125µm) for up to 10 Gbps.

Fiber Optic Cables

CommScope designs and manufactures a comprehensive line of fiber optic cables—from outside plant to indoor/outdoor and fire-rated indoor fiber cables.

COMZON Black Indoor/Outdoor 6 Core Fiber Optic

Durable Construction: Encased in a black PVC outer jacket with water-blocking

6 Fiber Multimode OM3 Custom Indoor/Outdoor Fiber

This cable is a 6 Fiber Multimode OM3 Custom Indoor/Outdoor Fiber Cable with Pre-terminated connectors and a strengthened fan-out / breakout from 0.9mm to

Best Pre-Terminated Fiber Optic Cables for Fast FTTH Installations

Six-core or multi-fiber needs: Six-core industrial TPU cables provide multiple fibers in a single assembly. Cost-focused indoor/outdoor versatility: OM3 multimode armored cables provide

Indoor Outdoor Fiber Optic Cables

OM3 LC ST Indoor/Outdoor Duplex Fiber Optic Patch Cable, 10Gb Multimode 50/125 corning optical fiber cord (10Gb up to 300 meters). Tightly buffered in a

5 Best Fiber Optic Cable For Internet | 30M Armored Fiber: Speed

Multimode OM3 or OM4 fiber (50/125µm) is designed for short data-center links and won't perform correctly with single-mode SFP optics. OS2 supports 10Gbps over kilometers; OM3 tops out at 300

Elfcam®

Rugged: Armored steel fiber optic cable for outdoor and indoor LC/UPC to LC/UPC OM3 multimode duplex, 50/125 um. Shielded steel tape inside the outer jacket resists damage caused by harsh

Fiber Optic Cable Jacket Guide: OFNP vs OFNR, LSZH, PVC, PE,

Compare fiber optic cable jacket materials and fire ratings: OFNP vs OFNR, LSZH, PVC, PE, TPU. Selection guide for data center, FTTH, outdoor, and industrial use. Request samples.

The Ultimate Guide to Fiber Optic Cables – Types, Standards, and ...

Discover how to choose the right fiber optic cables for your network. Learn about fiber types, cable constructions, connectors, and industry standards — plus expert recommendations from

EDGE™ MTP® Trunk | Corning

EDGE™ MTP® trunks provide the backbone of the EDGE solution. With non-pinned MTP connectors on both ends, these fiber trunk cable assemblies are designed

Cost of Fiber Optic Cable: Pricing Guide (2026)

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts total project costs overall.

24 Fiber Indoor/Outdoor Tight Buffered Cable

This fiber optic indoor/outdoor cable is designed to be flexible enough to be used indoors & are rugged enough to be used in general outdoor applications.

OM1 vs OM2 vs OM3 vs OM4 vs OM5 Multimode Fiber

Compare OM1, OM2, OM3, OM4, and OM5 multimode fiber specs, distances, bandwidth, and applications. Essential guide for data center fiber

Fiber Optic Cable

Explore our Fiber Optic Cable collection, featuring main products like Optical Splitter, Fiber Patch Cord, and 695+ more items from Hai'an Huijue Network Communication Equipment Co., Ltd. on Alibaba .

Best Premade Fiber Optic Cables for Outdoor and Indoor Use

Answer: These ready-made fiber optic cables are designed for fast, reliable installations in harsh outdoor and high-density indoor settings. They suit contractors, IT professionals, and DIY

om3 multimode | Black Box

OM3 50/125 Multimode Bulk Fiber Optic Zipcord Cable - Indoor, OFNP Plenum, 2-Strand, Aqua, Custom Length General-use zipcord cable for patching, desktop, and backbone connections.

Contact Us

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