

Om3 fiber optic connector



AI Overview

OM3 SC connectors are multimode fiber optic connectors designed for high-speed data transmission, offering reliable, low-loss connections for 50/125 μm fiber networks. Overview OM3 SC connectors are multimode (MM) fiber connectors optimized for 50/125 μm laser-optimized fiber, supporting high-speed applications such as Gigabit Ethernet and 10 Gb/s Fibre Channel . The SC (Subscriber Connector) design is a push-pull type that provides an audible click when mated, ensuring secure and repeatable connections . These connectors are commonly used in data centers, telecommunications, and enterprise networks. Key Features Compatibility: Supports OM3 and OM4 multimode fibers, with fiber diameters of 250 μm (with breakout kit), 900 μm , 2 mm, and 3 mm (using jacketed boots), . Construction: Precision ceramic ferrule combined with polymer housing ensures consistent optical performance and mechanical stability . Field Installable: Many OM3 SC connectors, such as Belden FX Brilliance, are field-terminable, allowing installation directly on fiber cables in patch panels, distribution frames, or workstation outlets . Reusability: Certain connectors can be reterminated up to five times without compromising performance . Insertion Loss: Tunable in four positions to achieve minimal insertion loss, critical for high-speed network reliability . Applications High-speed networking: Gigabit Ethernet, 10 Gb/s Fibre Channel, and other high-bandwidth applications . Fiber-to-the-Desk (FTTD) and Fiber-to-the-Home (FTTH): Ideal for short-run multimode connections in office or residential environments . Data centers and telecom: Used in patch panels, distribution frames, and pigtail assemblies for flexible network deployment . Optical instruments and CATV: SC OM3 connectors are also suitable for optical measurement systems and broadband access networks . Accessories and Installation Boots and breakout kits: Required for different fiber diameters: 900 μm boots are often included, while 2 mm and 3 mm jacketed boots or 250 μm breakout kits may be sol...

Article Content

MPO/MTP-24 Female to Female OM3 Fiber Patch Cable | Type C

MPO-24 to MPO-24 OM3 Multimode Fiber Patch Cord | Female-Female Type C |
COMNEN The COMNEN MPO/MTP-24 to MPO/MTP-24 Multi-mode OM3 Fiber Patch Cord is an ultra-high-density

Optical Fiber | Optical Fiber Products | Corning

Optical fiber broadband brings together a culture of innovation, quality, and manufacturing excellence to create life-changing products.

InfiniBand 10G Fiber Optic Cable ST to LC 7m OM3 - TRINCOS

InfiniBand 10G fiber optic cable, 7m OM3 with ST to LC connectors. Ideal for enterprise networks requiring high-speed data transfer. Get yours today.

All Kinds of Fiber Optic Patch Cords - SC, LC, FC, ST

Learn about SC, LC, FC, and ST fiber optic patch cords, their uses in FTTH, telecom, and data centers, and how to choose the right type.

Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4

OM4 fiber is completely backwards compatible with OM3 fiber and shares the same distinctive aqua jacket. OM4 was developed specifically for

LC OM3 Fast Connector Fiber Optic Manufacturer

The LC OM3 Fast Connector Fiber Optic is designed for quick, reliable, and tool

SC/UPC OM2/OM3/OM4/OM5 Multimode 0.9/2.0/3.0mm Pre-polished

This Field Assembly Optical Connector is catering for OM2/OM3/OM4/OM5 multimode fiber with 0.9/2.0/3.0mm diameter (remove the black tail clip when working with 2.0/3.0mm fibers).

StarTech 2m (6ft) LC/UPC to LC/UPC OM3 Multimode Fiber Optic

The A50FBLCLC2, 2-meter (6.6ft), 10 Gigabit, Aqua Multimode 50/125 Duplex LSZH Fiber Patch Cable is terminated at both ends with LC (male) connectors and is composed of 50/125 micron OM3 aqua

Monoprice InfiniBand 40m LC-LC OM3 Fiber Optic Cable

Monoprice InfiniBand Fiber Optic Cable 40m LC-LC with OM3 rating for high-speed applications in data centers. Get yours today.

The Most Common Mistakes When Installing Fiber Optic Patch Cables

Fiber-optic patch cables are easy to install, but installers can also damage them. Many network problems blamed on switches, transceivers, or patch panels actually stem from poor cable

5 Best LC Fiber Optic Patch Cord | Stop Replacing Broken Pigtails

The lc fiber optic patch cord that fits your link depends on whether you need single-mode reach, multimode density, or a multi-pack for a structured cabling refresh.

Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4

A complete guide to multimode fiber types OM1, OM2, OM3, OM4, and OM5. Compare speed, distance, bandwidth, and applications, and learn how

7 Best Fiber Optic LAN Cable | Stop Losing Signal at Distance

After sifting through armored sheathing data, insertion loss specs, and hundreds of verified buyer accounts, this guide narrows down the best fiber optic lan cable for runs that demand reliability,

MPO-24 to MPO-24 OM3 Multimode Fiber Patch Cord | Female

Premium MPO/MTP-24 UPC (Female) to MPO/MTP-24 UPC (Female) multi-mode OM3 fiber optic patch cord. 24-fiber high-density, Type B cross polarity, 0.35dB Max IL. Optimized for 100G/400G switch

ProfiPatch Fiber Optic Connector Duplex LC-LC OM3 aqua

Produkteigenschaften: Konform zu Standard: IEC61754-4 Lagertemperatur: -40 – 85 °C Betriebstemperatur: -40 – 75 °C Bauform: SC-Simplex Steckverbindertyp An

How to Choose the Right Fiber Optic Cable for Your Optical

How to Choose the Right Fiber Optic Cable for Your Optical Transceiver Selecting the right optical transceiver is only half of building a reliable fiber network. Many network failures that appear

Monoprice Multi-Mode OM3 Fiber Optic Cable 50m SC-ST Duplex –

Enhance your network with Monoprice Multi-Mode OM3 fiber optic cable. 50m length, SC-ST duplex, optimized for high-speed data transfer. Get yours today.

Fiber Optic Cable Monoprice 46006 Multi-Mode OM3 SC to ST 35m

Monoprice 46006 Multi-Mode OM3 fiber optic cable with SC-ST connectors, 35m length. Perfect for reliable data transfer in data centers. Order today.

OM1-OM5 vs Singlemode Fiber: Best for 2025 Data

Compare OM1-OM5 and singlemode fiber for 2025 data centers and AI networks. Expert guide to choosing the right fiber type for high-speed

InfiniBand Fiber Optic Cable Monoprice 10m OM3 LC to SC

Monoprice 10m InfiniBand fiber optic cable with OM3 rating and LC to SC connectors. Perfect for data centers and high-performance setups. Order today.

Anaerobic Connectors | Corning

Corning's anaerobic-cured keyed and non-keyed connectors deliver high optical performance in a fast, easy field-termination solution designed for fiber-to-the-workstation applications, supporting both

SC OM3 Fiber Optical Connector

These connectors are suitable for, 0.9mm and 2-3mm cables. The connector is precision made to demanding specifications. The combination of a ceramic

Understanding OM3 Multimode Fiber: Advanced Guide on Fiber Optic

Explore our advanced guide on OM3 multimode fiber optic cables to understand the differences between OM1, OM2, and OM3, and find the best fiber patch cable for your 10G cabling

StarTech OM3 Multimode Fiber Optic Cable 1m 100G LC/UPC

100G Full Duplex OM3 multimode fiber optic cable, 1 meter length with LC/UPC connectors. Perfect for high-speed networking. Order today.

MPO MTP Patchcord MM OM3 12F Fiber Optic Cable for Data Center

High-performance MPO/MTP OM3 fiber optic patch cord for data centers & telecom. Customizable, 100% tested, with low-loss connectors for stable transmission.

LC, OM3/4 Multi-Mode, Infinium Field Installable Mechanical Splice ...

Includes color coded 900um buffer, boot, cleave protector and extended dust cap for easy fiber identification No epoxy or polishing and requires no special tools

UniCam® Connectors LC, 50 µm Multimode (OM3/OM4), Black

Corning® UniCam® connectors offer high optical performance in a fast, easy field-termination solution—ideal for fiber-to-the-workstation setups where time matters. Using precision mechanical

Contact Us

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