

Multimode fiber optic patch cord lc-lc self-operated



AI Overview

LC-LC multimode fiber optic patch cords are compact, duplex cables designed for short-distance, high-density network connections, commonly used in data centers and structured cabling systems. Overview LC-LC multimode patch cords feature LC connectors on both ends, which use a 1.25 mm ferrule, making them ideal for high-density installations in server rooms and data centers. These cords are typically duplex, allowing bidirectional communication over a single cable, and are available in various multimode types such as OM1, OM2, OM3, and OM4, with OM4 offering higher bandwidth and longer reach for 10G and 40G applications. Key Features Low Insertion Loss: Standard LC-LC multimode cords have insertion loss around 0.75 dB, while ultra-low loss variants can reduce this to 0.12 dB, improving signal quality over longer distances. Cable Jacket Options: Common jackets include PVC for basic indoor use, LSZH (Low Smoke Zero Halogen) for high-safety areas, and plenum-rated for air ducts. Self-Operated/Pre-Terminated: These cords are flexible, dismountable, and ready for plug-and-play installation, reducing the need for field termination and minimizing installation errors. Duplex and Uniboot Options: Duplex cords have two separate fibers, while uniboot designs allow both fibers in a single cable for higher density and easier management. Applications Data Centers: Connecting switches, patch panels, and servers for short intra-rack or inter-rack links. Structured Cabling: Cross-connects and horizontal cabling in enterprise networks. Short-Distance High-Speed Links: Ideal for 10G, 40G, and 100G Ethernet within the same building or campus. Selection Tips Choose the right multimode type: OM1/OM2 for legacy 1G/10G, OM3/OM4 for 10G-40G high-speed networks. Check connector quality: Ensure LC connectors are polished (UPC or APC) for minimal signal loss. Consider cable jacket: LSZH for safety...

Article Content

Fiber Optic Cable StarTech 450FBLCLC5 5m OM4 Multimode LC

This multimode 50/125µm fiber optic patch cord is backward compatible with OM3 and 1/10/40 Gbps networks, ensuring a reliable connection with legacy fiber environments.

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10Gtek Fiber Patch Cable - LC to LC OM3 10Gb/Gigabit Multi-Mode Duplex 50/125 LSZH Fiber Optic Cord for SFP Transceiver, Computer Fiber Networks and Fiber Test Equipment, 2-Meter

Light Traceable Multimode OM3 LC / LC Fiber Patch Cord

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OM2 cables have a 500 MHz-km bandwidth and a 2.3dB/km maximum attenuation at 850 nm light sources and a 500 MHz-km bandwidth and a 0.6dB/km maximum attenuation at a 1300 nm

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FLYPROFiber- 1M-6Pack OM4 LC to LC Fiber Patch Cable Multi Mode, MM Fiber Optic Cable, MMF Multimode Fiber Jumper Cord, 10Gb/40Gb/100Gb, Duplex, 50/125um, LSZH, 1M (3ft)-6Pack

Fiber Optic Pigtail: The Complete Guide to Types,

Confused about fiber optic pigtails—which connector type, which polish, fusion or mechanical splice? Our guide covers LC vs SC, APC vs UPC,

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Discover the best fiber optic patch panel options for 2024. Learn how to choose, install, and maintain your fiber network for

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.

Startech 10m (32.8ft) LC to LC (UPC) OS2 Single Mode Simplex Fiber ...

OS2 LC/LC Single Mode Simplex Fiber Optic Patch cable facilitates reliable connectivity across 40G/100G networks. It supports Coarse Wavelength Division Multiplexing (CWDM) across an

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FLX Series Fiber Optic Connectors – Rugged,

FLX Series fiber connectors are rugged, waterproof, and offer quick, tool-free termination. Ideal for FTTH, data center, military, and industrial networks.

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OM3 LC LC Indoor/Outdoor Duplex Fiber Patch Cable, 10Gb Multimode 50/125um optical fiber cable (10Gb up to 300 meters). Tightly buffered in a flexible, black, single-mod-fiber-kablo Manufacturer/Producer

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Fiber Optic Products Supplier & Manufacturer

Our company delivers factory-tested fiber cable patch cord solutions, including multi-fiber variants in OS2, OM3 and OM4. Tailored lengths suit diverse fiber optic

StarTech 450FBLCLC5PP Multimode Fiber Cable, LC/LC-UPC,

LC/UPC to LC/UPC OM4 Multimode Fiber Optic Cable enables 40/100G network connections. The push-pull tabs on each connector ensure quick connection and removal, facilitating accurate

StarTech 450FBLCLC7 100G OM4 Multimode Fiber Cable

StarTech OM4 fiber optic cable delivers 100G with low insertion loss, perfect for high-speed networking. Get yours today.

Fiber Optic Cable vs Patch Cord vs Pigtail – Complete Guide

When you build or upgrade a fiber network, the same four words pop up everywhere— fiber optic (bare fiber), pigtail, patch cord, optical cable. They're related, but they are not

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Carrier-grade fiber optic patch cord pigtail sc-fc-lc single-mode square to round to small square head single and double-head pigtail jumper: professional-grade network connection handy

FFXLCLC42

Fiber Patch Cord, LC/UPC/UPC to LC/UPC/UPC, Multimode OM4, 1.6 mm Duplex, Low Smoke Zero Halogen (LSZH)

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StarTech LCLCL-15M-OM5-FIBER InfiniBand fibre optic cable

OM5 LC to LC Multimode Duplex Fiber Optic Patch cable facilitates connectivity across 40G and 100G networks. It supports SWDM (Shortwave Wavelength Division Multiplexing) across an extended

Contact Us

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