

Article Overview

An LC to LC multimode fiber optic patch cord is a duplex or simplex fiber cable with LC connectors on both ends, designed for high-speed data transmission in LANs, data centers, and telecom networks.

Overview

An LC to LC multimode fiber patch cord is a pre-terminated fiber cable that connects optical devices such as switches, patch panels, and transceivers. It is widely used in high-density networking environments due to its small form factor and reliable performance ().

Key Specifications

- o Fiber Type: Multimode (commonly OM1, OM2, OM3, or OM4) ()
- o Core/Cladding: Typically 50/125 um (OM2/OM3/OM4) or 62.5/125 um (OM1) ()
- o Connectors: LC connectors on both ends, often with duplex clips for paired cables ()
- o Cable Jacket: LSZH (Low Smoke Zero Halogen) or PVC, sometimes plenum-rated for indoor use ()
- o Cable Diameter: Usually 2.0 mm for flexibility and protection ()
- o Bend-Insensitive Fiber: Many modern multimode cables use BIMMF (Bend-Insensitive Multimode Fiber) for tight spaces ()
- o Wavelengths: 850 nm and 1300 nm for multimode transmission ()
- o Standards Compliance: TIA-568-C.3, UL910, CE, RoHS ()

Performance

- o High-Speed Transmission: Supports 1/10/40/100 Gbps depending on fiber type and length ()
- o Low Insertion Loss: Precision LC connectors with ceramic ferrules ensure minimal signal loss ()
- o Durability: Kevlar reinforcement and strain relief boots protect against pulling and bending ()
- o Plug-and-Play: Pre-terminated cables simplify installation and reduce deployment time ()

Applications

- o Data Centers: Connecting servers, switches, and storage devices
- o Local Area Networks (LANs): High-speed office or campus networks
- o Telecommunication Networks: Metro and premise installations
- o Test Equipment: Quick connection for optical testing and troubleshooting ()

Advantages



Lc Multimode Fiber Optic Patch Cord

- o Compact LC connectors allow high-density cabling
 - o Multimode fiber supports short to medium distance high-bandwidth applications
 - o Bend-insensitive designs reduce signal degradation in tight routing paths
 - o LSZH jackets improve safety in indoor environments by reducing smoke and toxic gas in case of fire ()
- In summary, an LC to LC multimode fiber optic patch cord is a versatile, high-performance solution for connecting optical devices in modern networks, offering durability, low loss, and ease of installation for both enterprise and data center environments ().

Browse fiber patch cords including single-mode and multimode options with LC, SC, FC, and ST

Amazon : StarTech 3m Fiber Optic Cable - Multimode Duplex 62.5/125 LSZH Fiber Jumper Cord - LC/ST : Electronics This

OM2 LC to LC 50/125 Multimode Duplex fiber optic patch cable terminated with durable sff ceramic ferrule

Pre-terminated single mode, multimode, and 10G fiber patch cables with SC, ST, LC, MTRJ, FC, E2000, VF45 connectors. Mode

About this item Superior Performance: Beyondtech LC to LC Multimode Fiber Patch Cable supports high

Product information "Fiber optic patch cord duplex multimode OM3, LC-PC/LC-PC, I-V (ZN)H 2x 2,1 mm"

Explore FiberOptics for high-quality multimode simplex or duplex patch cords, ideal for various fiber optic applications.

OM3 LC ST Indoor/Outdoor Duplex Fiber Optic Patch Cable, 10Gb Multimode 50/125 corning optical fiber cord (10Gb up to 300

?OM3 LC-LC Multimode Duplex Fiber Patch Cable? RamboCables 0.2m/0.66ft

Fiber optic cables with fiber optic connectors (such as LC, SC, ST, MU, or MPO/MTP) at both ends are

Legrand optic fibre patchcords are suitable for low loss datacom, data centre and some critical

?0.2M (7inch), OM3 LC-LC Fiber Optic Patch Cable Multimode 10Gb is designed for high density applications in gigabit ethernet, fiber

OM4 LC to SC Fiber Optic Patch Cable | 100Gb Duplex 50/125um Multimode LC SC Laser-Optimized fiber



Lc Multimode Fiber Optic Patch Cord

jumper, 2.0mm outer

Part Numbers Explained Below is an example part number: PC-KK9D3YR01M Fiber Optic Patch Cable Assembly, LC/UPC to

FLYPROFiber- 0.2M-2Pack OM4 LC to LC Fiber Patch Cable, MM Multimode Fiber Optic Cable, MMF Multi Mode Fiber Jumper

FS - HPC, Data Center, Enterprise, Telecom

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