

Lc fiber optic patch cord single core



Article Overview

An LC single core fiber optic patch cord is a simplex cable with a single fiber strand, typically used for high-speed, long-distance singlemode connections.

Overview

An LC fiber optic patch cord is a short-length fiber cable terminated with LC connectors at both ends, designed to connect network devices such as switches, routers, and transceivers. Single core (simplex) LC patch cords contain one fiber strand, allowing data transmission in a single direction, which is ideal for BiDi (bidirectional) transceivers or applications requiring one-way communication .

Fiber Types

- Singlemode (SMF, 9/125 μm): Supports long-distance transmission with low attenuation, commonly using OS2 fiber for indoor/outdoor applications. Singlemode cords are typically yellow and suitable for distances from hundreds of meters up to several kilometers .
- Multimode (MMF, 50/125 μm or 62.5/125 μm): Used for shorter distances, supporting high-speed data up to 100G depending on the OM standard (OM3, OM4, OM5). Multimode cords are color-coded (OM3 aqua, OM4 violet, OM5 lime green), .

Connector and End-Face Types

- LC Connector: Small form-factor connector, reliable for high-density applications.
- Polish Types:
 - UPC (Ultra Physical Contact): Low insertion loss, moderate return loss, suitable for most Ethernet and telecom applications.

Article Content

LC-LC OS1 Singlemode Fibre Optic Patch Cables | OS1 LC-LC Fibre

All of our Fibre Optic Patch Leads are UL approved Cables so you can rest assured that you are getting industry leading quality from

RamboCables OS2 SC to LC Single Mode Fiber Patch Cable

About this item [OS2 SC-LC Single Mode Duplex Fiber Patch Cable 5m/16ft]

RamboCables Fiber Optic Patch Cords SC to LC Single

Fiber Optic Patch Cables

Fiber optic patch cords are used for short distance installations that connect to patch panels, switches and telco equipment. We

LC to LC Singlemode Duplex Fiber Optic Patch Cable Assemblies

The LC to LC Singlemode Corning Cable is a top-of-the-line fiber optic cable designed to deliver exceptional performance in long

Patch Cord LC Singlemode Fiber Optic Cable Assemblies

Patch Cord LC Singlemode Fiber Optic Cable Assemblies are available at Mouser Electronics. Mouser offers inventory, pricing, &

Understanding Fiber Patch Cord Types

2. Key Components of a Fiber Patch Cord Every fiber optic patch cord consists of the following: Fiber Core – Transmits optical

LC/UPC to LC/UPC 9/125 Singlemode Simplex Fiber Patch Cable,

With LC to LC connectors, the FCA-S1SR-LCLC-01M fiber patch cable from L-com is ready for deployment in any single mode OS1

Fiber Patch Cords

Explore CommScope high-quality fiber patch cords, riser cables, and fiber jumpers. Enhance your network connectivity with our

Opti-Core® Fiber Optic Patch Cords and Pigtails LC/APC and

available in riser (OFNR) and low smoke zero halogen (LSZH) rated jacket materials. In addition, pre-erminated fiber optic pigtails

Contact Us

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