



Fiber optic cable lc single-mode patch cord

Article Overview

An LC-SC single-mode fiber optic patch cord is a high-performance cable designed for long-distance optical communication, featuring LC and SC connectors on either end and 9/125 um OS2 single-mode fiber.

Key Features

Fiber Type: LC-SC patch cords use single-mode OS2 fiber with a 9/125 um core/cladding diameter, optimized for long-distance transmission with minimal signal loss, capable of reaching distances up to 10 km or more depending on wavelength and network conditions . **Connectors:**

- o **LC Connector:** Small form-factor connector with a 1.25 mm ferrule, ideal for high-density applications.
- o **SC Connector:** Square-shaped connector with a 2.5 mm ferrule, featuring a push-pull locking mechanism for secure connections .
- o The patch cord can be LC to SC or SC to LC, supporting both simplex (single strand) and duplex (two strands for bidirectional communication) configurations . **Polish Types:** Available in UPC (Ultra Physical Contact) or APC (Angled Physical Contact) polish, which affects return loss and reflection performance. APC connectors are preferred for high-precision, long-distance applications due to lower back reflection .
- Cable Construction:**
 - o Typically features plenum-rated or LSZH jackets for fire safety in indoor installations .
 - o Available in various lengths, from 0.3 meters to 300 meters, to accommodate different network layouts .
 - o Type A (straight-through) or Type B (crossed) polarity options are available to match network requirements .
- Performance:**
 - o Low insertion loss (

About this item ?20M (66ft) OS2 SC-LC Fiber Optic Patch Cable Single Mode 1G/10G is designed for high

Shop high-quality LC to LC Singlemode Corning Cables at iFiberOptix for reliable long-distance, low-loss data transmission in

About this item Superior Performance: Beyondtech UPC Singlemode LC to SC Fiber Cable supports ATM,

[Max Transmission Distance] This OS2 Single Mode Optic Fiber Cable can transmit data for up to 10km at 1310nm, or up to 40km at

Fiber Optic, Patch Cord, Single Mode, Duplex, LC-LC, 1 Meter Length Request a Quote Brand: Hubbell



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Premise Wiring Catalog ID:

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

Ultimate Fiber Optic Patch Cord Guide: Classification, Connector Types, End Faces, Industry Applications & Purchase

Amazon.com: FLYPROFiber- 1M OS2 SC to LC Fiber Patch Cable | Length Options: 1m-50m, 1G/10G Single Mode Duplex 9/125um

Single Mode OS2 fiber patch cords are used for single-mode applications. single-mode fiber is used for

Find out how to choose between single mode patch cord, lc lc single mode, sc lc single

Amphenol duplex SC to LC fiber optic patch cords combine duplex zip-cord style 9u OS1 Single Mode Fiber (SMF) terminated with

LC LC Single Mode Patch Cord is a cost-effective solution for high-performance fiber-optic networks. It

Discover everything you need to know about LC to LC fiber patch cables! Explore

OM3 LC LC Indoor/Outdoor Duplex Fiber Patch Cable, 10Gb Multimode 50/125um optical fiber cable

Bangun LC to LC Single mode Duplex uniboot fiber patch cords terminated with Foxconn precision ceramic

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