

Fiber optic cable FC-LC single-mode



Article Overview

A single-mode FC-LC fiber optic cable is a high-performance patch cord designed for long-distance, low-loss optical transmission, featuring a threaded FC connector and a compact LC connector.

Overview

Single-mode FC-LC fiber optic cables use a 9/125 μm core/cladding diameter (OS2 standard) to transmit light over long distances with minimal signal loss. The FC connector (Ferrule Connector) has a threaded body, making it highly reliable in high-vibration environments, while the LC connector (Lucent Connector) is a small form-factor (SFF) connector ideal for high-density applications in data centers and SFP/SFP+ modules.

Key Features

- Fiber Type: Single-mode (SMF-28e or OS2), 9/125 μm
- Connector Types: FC (screw-threaded) to LC (small form-factor)
- Jacket: Typically yellow PVC or optional LSZH, plenum, or riser-rated
- Cable Diameter: Commonly 2.0–3.0 mm
- Insertion Loss: ≤ 0.2 dB for high-quality cables
- Return Loss: ≥ 45 –60 dB, ensuring minimal back reflection
- Durability: Ceramic ferrules, pull-proof design, resistant to bending and pulling
- Operating Temperature: -20°C to $+60^{\circ}\text{C}$ (storage up to -40°C to $+80^{\circ}\text{C}$)

Article Content

Fiber Optic Patch Cable FC to LC Duplex 9/125 single

The L-com FCA-FCLC-DPS1Z-01 is a Duplex single mode fiber optic patch cable,

Fiber Optic Cables – Single Mode Simplex and Duplex (9/125)

ShowMeCables offers a variety of Fiber Optic Cables, Single Mode Simplex & Duplex including ST, SC, LC, FC and AARC.

FC-LC Singlemode OS2 Fibre Optic Cables

Latest version of single mode fibre optic cables, FC-LC Singlemode OS2 Fibre Optic Cables is designed

Fiber Optic Patch Cable FC to LC Duplex 9/125 single mode OS1

The L-com FCA-FCLC-DPS1P-05 is a Duplex single mode fiber optic patch cable, with FC to LC connectors. The L-com FCA-FCLC

LCFiberOpticPatchCordCables LC F

Description Fiber Optic Patch Cable also known as fiber patch cord cable,optical cable or fiber optic jumper. As an important

Fiber Patchcord | Single Mode & Multimode Fiber Patch

Fiber Patch Cords are used to connect optical network equipment, patch panels, and fiber distribution

LC-FC OS2 Singlemode Duplex Fiber Optic Patch Cable

As an important component commonly used in fiber-optic networks, high-quality fiber patch cable are essential for any high

Single-mode Patch Cables

FC connectors are known as both Ferrule Connectors and Fiber Channel Connectors. They feature a durable threaded coupling and

Differences Between ST, SC, FC, and LC Fiber

Learn the differences between ST, SC, FC, and LC fiber connectors. Explore connector

Fiber Optic Patch Cables — SC, LC, FC, ST, Single

We offer a complete range of fiber optic patch cables, including LC patch cables, SC patch cords, and LC

Ultra Spec Cables 1ft FC to LC Singlemode Duplex Fiber Optic

Amazon : Ultra Spec Cables 1ft FC to LC Singlemode Duplex Fiber Optic Cable (9/125)
0.3M Meter : Electronics Amazon

Single Mode Optic Fiber Jumpers (LC to FC), Patch Cords

The 9/125 m OS2 single-mode bend-insensitive fiber optic cable has less attenuation when bent or twisted compared with traditional

Fiber Optic Patch Cable Single-mode, Duplex, LC/UPC

High-quality LC-FC or FC-LC single-mode (mono-mode) duplex fiber-optic patch cable. We deliver each

Single Mode Fiber Optic Patch Cables

In addition to our stocked single mode patch cables, we offer a custom fiber optic patch cable service with many options eligible for

LC to FC Fiber Patch Cable, 5M (16.4ft) Single-Mode

About this item 1□PRODUCT DETAILS: LC to FC Singlemode Duplex, 5 Meter (16.4ft), 9/125um high

OS1 Simplex LC UPC Fiber Patch Cable

Outdoor OS1 single-mode fiber cable with simplex LC UPC connectors.

BEYONDTECH 1m (3.28ft) LC to LC Fiber Patch Cable – UPC Single-Mode ...

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

Single Mode Fiber Cables, Single-mode Duplex Cables, OS2 Patch Cables

OS2 LC LC Single Mode Fiber Patch Cable | 1Gb/10Gb Duplex 9/125 LC to LC Singlemode Jumper Cord. Manufactured with the

Moocci 4 Pcs Single Mode 9/125 FC Male to LC Female

The singlemode loopback adapter is widely used in SFP module, optical CATV, FTTX testing, patch panel

Single Mode Fiber Optic Adapters | SC, LC, FC & ST | Amerifiber

Shop single-mode fiber connectors in SC, LC, FC & ST styles. Simplex, duplex & quad configurations for telecom & long-distance

Amazon : Fc To Lc Fiber

LC to FC Fiber Optic Adapter Cable, Singlemode 9/125 Duplex Male to Female Mutual.

BEYONDTECH LC to FC Fiber Optic Adapter – Single Mode UPC

About this item Adapt Fiber Test Equipment: Designed to connect standard fiber test tools that are not LC-compatible, including

Fiber Optic Connector Types Explained | FiberCablesDirect

We carry LC fiber optic cables in singlemode and multimode duplex across all modalities: OM1, OM2, OM3, OM4, and OS2. Choose

Single Mode FC/PC Fiber Optic Patch Cables

Thorlabs offers single mode patch cables with FC/PC connectors on both ends. Each cable is

LC to FC UPC Singlemode Simplex OS2 Fiber Patch Cord | 9/125µm

The LC to FC Singlemode Simplex OS2 Fiber Patch Cord is a high-performance cable designed to bridge network equipment with

Optical fiber connector

Optical fiber connector LC (top) and ST (bottom) optical fiber connectors, both with protective caps in place

Contact Us

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