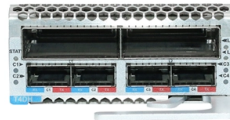


Fiber optic single-mode dual-core lc-fc



Article Overview

FC-LC single-mode dual-core fiber optic cables are duplex patch cords designed for long-distance, low-loss optical transmission in telecom and data networks.

Overview

FC-LC single-mode duplex cables consist of two optical fibers (dual-core), typically with a 9/125 μm core/cladding diameter, allowing simultaneous bidirectional communication. The FC connector features a round, metal body with screw-threaded coupling, providing high reliability and vibration resistance, while the LC connector has a small form factor with a push-pull latch, ideal for high-density applications in switches, routers, and patch panels .

Key Specifications

- Fiber Type: Single-mode (OS2), optimized for long-distance transmission with low attenuation .
- Core/Cladding Diameter: 9/125 μm .
- Polish Type: UPC (Ultra Physical Contact) for minimal back reflection; APC (Angled Physical Contact) is also available in some variants .
- Cable Jacket: Options include PVC, LSZH (Low Smoke Zero Halogen), plenum-rated, or riser-rated, depending on installation requirements .
- Cable Diameter: Typically 2.0 mm for tight-buffered cables.
- Duplex Configuration: Two fibers in a single cable, often color-coded for easy identification.....

Article Content

Fiber Optic Patch Cord, Single Mode & Multimode Patch Cord

Fiber Optic Patch Cord In this category, you will find various duplex and simplex LC/SC/FC/ST/Uniboot LC/MDC fiber optic

LC to LC Fiber Optic Cables Duplex Singlemode Multimode OM3 OM4 Fiber ...

OS2 LC LC AnyAngle Fiber Patch Cables | Plenum Duplex Single-Mode Fiber Jumper with Corning 9/125um core/cladding.

Fiber Optic Couplers & Adapters

Our single mode fiber adapters feature ceramic sleeves for precision alignment and our multimode fiber adapters are built with

Attenuators | Fibertronics, Inc.

These attenuators are suitable for use in single mode 9/125, multimode 50/125, and multimode 62.5/125 applications. Our male-to

Types of Fiber Connectors | LC, ST, SC | ShowMeCables

Find out the difference among fiber optic connector types LC, ST, SC including which is push-pull, which uses a

Everything you need to know about fiber optic termination

Different connectors and splice termination procedures are used for singlemode and multimode connectors, so make sure you know

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

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

Differences Between ST, SC, FC, and LC Fiber

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

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

Understanding Single Mode LC Connector: A Comprehensive Guide to Fiber ...

Discover the essentials of Single Mode LC Connectors in our comprehensive guide. Explore our range of fiber optic

LC Fiber Optics: A Comprehensive Guide

LC fiber connector products are robust optical solutions designed for telecom applications, encompassing LC fiber

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

Fiber Optic Connector Types Explained | FiberCablesDirect

Make sure you're choosing the correct fiber optic connector for peak performance. Learn more about fiber connector types in our guide.

LC Fiber Patch Cables | Singlemode & Multimode with

OM3 LC LC Armored Duplex Fiber Patch Cables, 10Gb Multimode 50/125 Corning optical fiber cord.

Singlemode Fibre Patch Cables

Singlemode Fibre Patch Cables Our singlemode fibre patch leads are manufactured in-house, are 100% tested and certified and

Single Mode vs. Multimode Fiber: Core Differences and Selection Guide

How do you choose between single mode and multimode fiber? Compare their differences in core size, light source,

LC-FC OS2 Singlemode Duplex Fiber Patch Cable

Optcore offers an extensive line of LC to FC 9/125µm OS2 single-mode duplex fiber optic patch cables with many choices of different

Optical fiber connector

An optical fiber connector is a device used to link optical fibers, facilitating the efficient transmission of light signals. An optical fiber

LCFiberOpticPatchCordCables LC F

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

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

Australia's Leading Supplier of LC-LC OS1 Singlemode Fibre Optic Cables & OS1 Fibre Cables. Buy online & save from retail price.

Fiber Adapters

CommScope fiber adapters and connectors—including LC to SC adapters—are designed for excellent optical and mechanical

LC Connector | FO Connector LC-Simplex, LC-Duplex

The LC is a small-form-factor connector system for fibre optic cabling in telecommunications systems, data centres and LANs. LC

Single Mode Dual Core LC-FC Fiber Optic Patch Cord

Featuring excellent reliability, superior adaptability, and improved security, fiber patch cord has ranked the

Optic Fiber Patch Cord

Optic Fiber Patch Cord Optic Fiber Patch Cord D-Link patch cords are available with full standard optical

LC/UPC to LC/UPC Duplex Fiber Optic Patch Cable Singlemode ...

This high-quality singlemode fiber optic patch cable is specifically designed using SMF-28e fiber for ethernet applications. Each

OS2 Fiber Optic Cables | LC/SC/FC/ST Simplex

Explore OS2 singlemode fiber optic cables with LC, SC, FC, and ST connectors for long-reach 1G-400G

Fiber Optics Part 2: Single-Mode Fiber vs. Multi-Mode-Fiber

Duplex LC single-mode fiber optic patch cord (Courtesy of Corning Optical Communications). As described in our

LC Vs SC Vs FC Vs MPO Fiber Optic Connectors: Expert Guide

Compare LC, SC, FC, ST, MPO & MTP fiber optic connectors with expert insights. Learn which connector fits your

Fiber Adapters & Connectors

Explore our range of single mode fiber connectors and fiber connections at CommScope. Our high-quality MPO connectors ensure

BEYONDTECH 1m (3.28ft) LC to LC Fiber Patch Cable - UPC

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

Fiber optic patch cords | Legrand Malaysia Malaysia

Fiber optic solutions (drawers, panels, connectors...) | Fiber optic patch cords | !

OS2 Single Mode Fiber Optic Cables, SMF Duplex

Get OS2 single mode duplex fiber patch cables for 1G/10G/40G/100G/400G Ethernet fiber connections to

LC Fiber Optic Connectors

LC simplex and duplex connectors are used for equipment cross-connects or interconnects in backbone, horizontal and work area

LC Fiber Optic Connectors

PANDUIT LC Fiber Optic Connectors provide a rugged solution for high-density telecommunication rooms, LANs, public networks

The Key Differences Between 1-core, 2-core, Single

Single Mode fibers have a smaller core, allowing light to travel in a single, straight path,

Fiber Optic Couplers & Adapters

Fiber Optic Adapters We offer many types of fiber adapters – for simplex or duplex cable; made of plastic or metal; single mode or

Contact Us

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