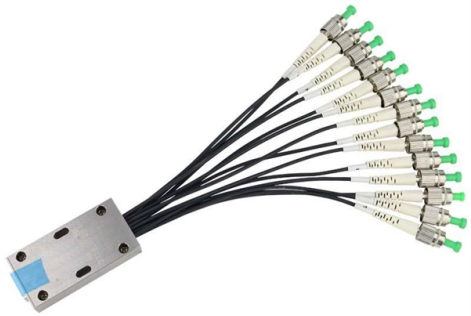
Fiber optic patch cord dual-fiber LC interface



Overview

This patch cords comes with an A-B flipped polarity from the factory, but can be easily changed to A-A straight through polarity with no tools.

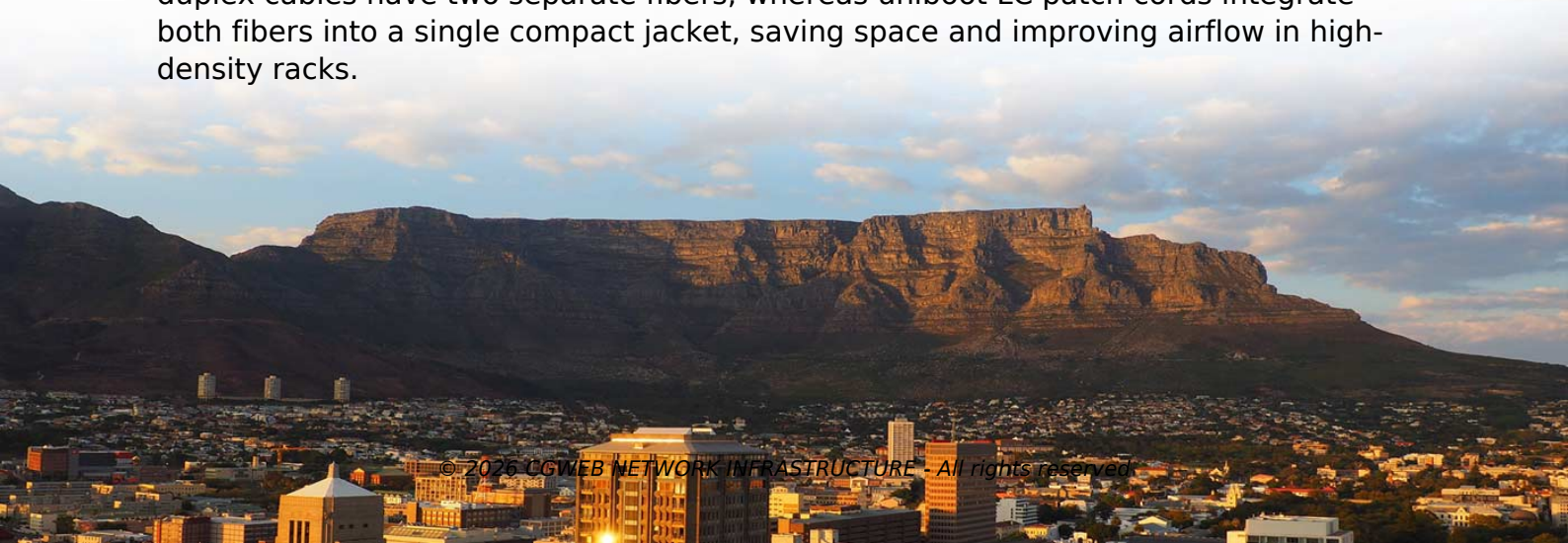
Key Takeaways

A dual-core LC fiber optic patch cord is a duplex cable with two fibers terminated with LC connectors, available in single-mode or multimode, designed for high-density and reliable network connections.

Overview

A dual-core LC patch cord consists of two optical fibers within a single cable, each terminated with an LC connector. These cords are commonly used in data centers, telecommunications, and FTTX networks to provide high-speed, low-loss connections between devices, patch panels, and network equipment. Types and FeaturesSingle-mode (SM) vs Multimode (MM): Single-mode fibers (e.g., OS2, G.

657. A2) are used for long-distance transmission, while multimode fibers (e.g., OM4) are suitable for shorter distances with higher bandwidth. Duplex vs Uniboot: Standard duplex cables have two separate fibers, whereas uniboot LC patch cords integrate both fibers into a single compact jacket, saving space and improving airflow in high-density racks.



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Bend-insensitive fibers: Many dual-core LC cords use bend-insensitive fibers, allowing a minimum bending radius as small as 10mm, reducing signal loss in tight spaces. Jacket types: Options include LSZH (Low Smoke Zero Halogen) for indoor use and outdoor-rated jackets for harsh environments. Polarity and connector standards: LC connectors comply with IEC 61754-20, and polarity can be interchangeable in uniboot designs, simplifying installation.

Applications

Data centers: High-density patching and space-saving cable management. Telecommunications: FTTX and outside plant connections. Enterprise networks: Reliable voice, data, and video transmission.

Indoor/outdoor environments: Outdoor-rated cords withstand harsh conditions, while LSZH jackets are ideal for office or telecom rooms.

Performance Considerations

Insertion loss: Typically

Article Content

LC Fiber Optics: Complete Guide 2026 to Patch Cables,

This guide provides a fully updated and industry-ready overview of LC fiber optics, explaining the origin and design of LC connectors, their key features, and the

Fibre optic patch cords and equipment cords

In the webshop, you will find our fibre optic patchcords with singlemode and multimode OM3 and OM4 fibres in FRNC-LSZH indoor cables for stationary,

Two-Fiber Patch Cords

This patch cords comes with an A-B flipped polarity from the factory, but can be easily changed to A-A straight through polarity with no tools. This uniboot design allows one cable to carry

LC Fiber Optics: Guide to LC Connectors, ULL Cables,

Its compact size, reliability, extremely low insertion loss, high-density compatibility, and deep ecosystem support from patch cords and cassettes to

Amazon : Lc To Lc Fiber Patch Cable

Find reliable LC to LC duplex fiber cables for your networking needs. Available in various lengths and fiber types for optimal performance.

Optical Duplex Patchcords with various types of

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Optical Duplex patch cords with various types of connectors (ST, LC, SC) available in single-mode or multi-mode fibre version

Fiber Optic Patch Cords Guide | Types, Connectors

Explore fiber optic patch cords for telecom, data centers, and FTTH. From LC/SC to MPO/MTP and armored jumpers, ZION Communication offers

Cisco High-Density Fiber Patch Panel, Simplex, MPO

The Cisco patch panel enables tool-less access to: 72 LC duplex connectors in just 1RU of rack space, which can be bundled in 2RU and 3RU

LC Fiber Patch Cables | Singlemode & Multimode with

Flexible, easy to install and reliable fiber patch cord terminated with duplex LC (clips included) to duplex ST fiber connectors. Each fiber breakout has 18" of 3.0mm

Worry-free high-speed transmission! starkojoy om3 10 gigabit fiber ...

The packaging of this fiber optic patch cord is simple yet elegant, and it is even more eye-catching after opening it s 2.0mm wire diameter not only looks slim and lightweight, but also

Fiber Optic Pigtail: Types, Splicing Guide, Specs & Price

Fiber optic pigtail guide : SC/APC & LC/UPC connectors, 0.9/2.0/3.0 mm buffers, single-mode and multimode types, fusion splicing steps, price ranges, specifications, and how to

MPO/MTP-24 Female to Female OM3 Fiber Patch Cable | Type C

MPO-24 to MPO-24 OM3 Multimode Fiber Patch Cord | Female-Female Type C | COMNEN The COMNEN MPO/MTP-24 to MPO/MTP-24 Multi-mode OM3 Fiber Patch Cord is an ultra-high-density

MPO-24 to MPO-24 OM3 Multimode Fiber Patch Cord | Female

Featuring unpinned Female-to-Female connectors, Type B (Cross) polarity, and a dual-row 24-fiber layout, this cable provides massive bandwidth packaging in a single interface.

MPO/MTP-24 Female to Female OM4 Fiber Patch Cable | Type B

Premium MPO/MTP-24 UPC (Female) to MPO/MTP-24 UPC (Female) multi-mode OM4 fiber optic patch cord. 24-fiber dual-row, Type B cross polarity, 0.35dB Max IL. Optimized for high-density core switch

Value Fiber Optic Patch Cord Engineering Telecom Grade 10g Lc-Lc ...

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LC Fiber Optics: Complete Guide 2026 to Patch Cables,

Explore LC fiber optics in depth: LC connectors, LC patch cables, uniboot designs, attenuators, breakout cables, LC adapters, patch panels, MPO

MPO-24 to MPO-24 OM3 Multimode Fiber Patch Cord | Female

Premium MPO/MTP-24 UPC (Female) to MPO/MTP-24 UPC (Female) multi-mode OM3 fiber optic patch cord. 24-fiber high-density, Type A straight-through polarity, 0.35dB Max IL. Optimized for

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For those looking to boost their network speed and enjoy a high-quality lifestyle, the ez-rj st-st3/ 10m multimode fiber optic patch cord, a dual-core pigtail fiber cable, is undoubtedly an

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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