

Article Overview

LC to SC dual-core fiber optic patch cords enable efficient bidirectional transmission and flexible connectivity for modern network environments.

Key Features

- o **Dual-Core Design:** Supports independent bidirectional communication, with one core for transmitting and one for receiving, eliminating the need for additional patch cords and simplifying cabling structure .
- o **Interface Flexibility:** LC connectors (small form factor) are ideal for high-density ports, while SC connectors (square snap type) maintain compatibility with older devices .
- o **Multimode and Singlemode Options:** Available in OM1-OM4 multimode and OS2 singlemode, suitable for short- and long-distance applications .
- o **Preassembled and Plug & Play:** Ready-to-use cables allow rapid deployment in patch panels, switches, servers, and other network equipment .

Applications

- o **Data Centers:** Connect storage devices, switches, and servers for high-speed data exchange, supporting cloud computing and virtualization .
- o **Enterprise LANs:** Backbone networks in office buildings or campuses, enabling Gigabit or 10 Gigabit bidirectional transmission .
- o **Security and Surveillance:** Real-time HD video backhaul for IP cameras, ensuring low-latency bidirectional communication .
- o **Medical and Educational Networks:** PACS systems in hospitals or campus network cores, providing strong compatibility and easy deployment .

Advantages

- o **Reduced Cabling Complexity:** Dual cores integrated into a single patch cord reduce the number of cables and save rack space .
- o **Cost-Effective:** Minimizes maintenance costs and simplifies network management .
- o **High Compatibility:** Cross-interface design allows connection between different network devices, bridging older SC ports with newer LC ports . LC to SC dual-core fiber optic patch cords are ideal for modern network setups that require efficient, flexible, and high-speed optical connections, particularly in environments with mixed device types and high-density cabling requirements .



SC to LC fiber optic patch cord dual core

Fiber optic patch cords and pigtails provide interconnect and cross-connect of applications over installations in entrance facilities,

5 Pack LC to SC Fiber Patch Cable 1M/3FT, Individually Tested OS2 Single Mode 9/125µm Duplex SMF Jumper, LSZH Fiber Optic

About this item Premium Performance for Advanced Networks: Engineered for high-speed connectivity, Ipolex's 3m (10ft) LC to SC

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OS2 LC to SC 9/125 Single-mode Duplex Fiber Optic Patch Cable, manufactured with the

BEYONDTECH 3m (9.84ft) LC to SC Fiber Patch Cable - UPC Single-Mode Duplex Fiber Optic Cable - 9/125µm core, Compatible

This LC to SC single mode fiber patch cable is ideal for GPON, FTTX, and passive network applications.

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

Beyondtech's LC to LC Fiber Patch Cable Multimode Duplex is engineered for high-speed data transmission with a 50/125µm OM3

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

2m Fiber Optic Cable - Multimode Duplex 62.5/125 LSZH Fiber Jumper Cord - LC/SC Connect fiber network devices for high-speed

1. What is SC LC Patch Cord? SC and LC patch cords are fiber optic cables that use in FTTH communication

LC (top) and ST (bottom) optical fiber connectors, both with protective caps in place An optical fiber connector is a device used to link

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

The Opti-Core® LC/APC and SC/APC patch cords support singlemode network applications in main, horizontal and equipment



SC to LC fiber optic patch cord dual core

CommScope engineers and manufactures a complete line of high quality fiber patch cords for data centers

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