SC to LC fiber optic dual-patch cable



Overview

FLYPROFiber has been focusing on fiber optics for 15 years. Each cable is tested in the factory to meet quality control and insertion loss requirements, providing customers with high-quality products.

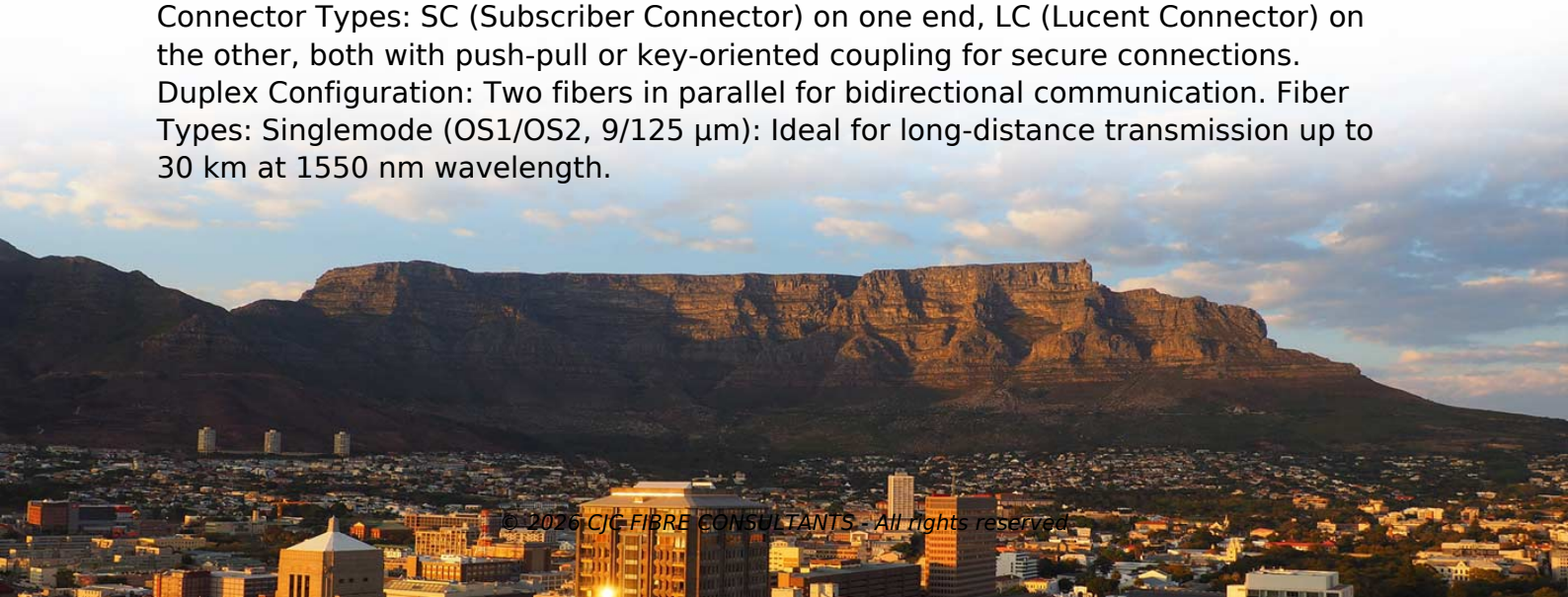
Key Takeaways

SC to LC fiber optic dual-patch cables are duplex cables that connect SC and LC ports, available in singlemode or multimode, with various jacket types and lengths for high-performance network applications. OverviewSC to LC fiber optic patch cables are duplex cables designed to connect devices with SC connectors on one end and LC connectors on the other. They are commonly used in telecommunications, data centers, and high-speed network environments to ensure reliable optical signal transmission.

These cables are available in singlemode (9/125 µm) and multimode (50/125 µm or 62. 5/125 µm) configurations, supporting data rates from 1 Gbps up to 100 Gbps depending on fiber type and distance.

Key Features

Connector Types: SC (Subscriber Connector) on one end, LC (Lucent Connector) on the other, both with push-pull or key-oriented coupling for secure connections. Duplex Configuration: Two fibers in parallel for bidirectional communication. Fiber Types: Singlemode (OS1/OS2, 9/125 µm): Ideal for long-distance transmission up to 30 km at 1550 nm wavelength.



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Multimode (OM1, OM2, OM3, OM4, 50/125 µm or 62. 5/125 µm): Suitable for shorter distances, typically within data centers or LANs. Jacket Types: OFNR (Riser rated): For vertical runs in buildings.

OFN

P (Plenum rated): For air-handling spaces.

LSZ

H (Low Smoke Zero Halogen): For safety in confined spaces. Performance: Low insertion loss (typically 0. 15–0.

3 dB) and high return loss (≤ -58 dB), ensuring minimal signal degradation.

Applications

Connecting patch panels to network switches or transceivers. Linking telecom equipment in data centers. Supporting high-speed Ethernet, Fiber Channel, and optical transport networks.

Ideal for long-distance singlemode networks or short-range multimode LANs. Lengths and CustomizationSC to LC duplex cables are available in standard lengths from 1 meter to 30 meters or more, with custom lengths and connector polishes available upon request. Color-coded jackets (yellow for singlemode, orange or aqua for multimode) help identify fiber type and maintain proper network organization.

Purchasing Options

Fiber Cables Direct: Offers OM1–OM4 and OS2 SC to LC duplex cables for indoor, outdoor, and plenum applications. L-com: Provides singlemode 9/125 duplex SC to LC cables with OFNR jackets and one-year warranty. Infinity Cable Products: High-quality Corning fiber with ceramic ferrule connectors, tested for insertion and return loss.

Polyphaser and Cables Plus US

A: Offer singlemode SC to LC duplex cables with OFNR jackets and various lengths, suitable for long cable runs. These cables are pre-tested for performance, ensuring reliable network uptime and compatibility with standard optical equipment.

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Article Content

SC to LC Fiber Cables

OS2 LC to SC 9/125 Single-mode Duplex Fiber Optic Patch Cable, manufactured with the highest quality Corning optical fiber glass and terminated with 1.25mm

FLYPROFiber

FLYPROFiber has been focusing on fiber optics for 15 years. Each cable is tested in the factory to meet quality control and insertion loss requirements, providing customers with high-quality products.

LC & SC Fiber Optic Patch Cables

Our patch cables support both Type A (straight-through) and Type B (crossed) polarity configurations to match your specific infrastructure requirements. Available in simplex and duplex options, with lengths

SC to LC, Duplex Singlemode Fiber Optic Cables, 9/125 with OFNR

These fiber optic patch cables feature OFNR (Riser rated) jackets along with SC and LC style connectors. Our fiber optic cables are functionally tested to guarantee top performance upon delivery.

LC to SC Duplex Fiber Optic Patch Cables | Single Mode & Multimode

Shop LC to SC duplex fiber patch cables for reliable network connections. Available in single-mode and multimode configurations with various lengths. High-quality fiber optic cables for telecommunications

Optical Duplex Patchcords with various types of

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

SFP Fiber Optic Connector Types: LC, SC, MPO Explained

Most SFP fiber optic modules use LC connectors, while SC connectors are mainly found in legacy networks and MPO/MTP connectors are used for high-density cabling rather than directly on

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

Superior Performance: Beyondtech UPC Singlemode LC to SC Fiber Cable supports ATM, Fast Ethernet, Fiber Channel & Gigabit Ethernet, ensuring stable

FiberXP SC to LC Fiber Optic Patch Cable Multimode Duplex, 10m

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The FiberXP SC to LC 62.5-micron multimode fiber optic patch cable is a duplex type premium quality patch cable. It features 2.0 mm PVC jacket, SC and LC physical contact (PC) fiber optic cable

Patch Cord SC Duplex Fiber Optic Cable Assemblies – Mouser

Mouser offers inventory, pricing, & datasheets for Patch Cord SC Duplex Fiber Optic Cable Assemblies.

Fiber Connector Types

However, the widely used types are about a dozen of fiber optic connectors, which can be divided into single-fiber, duplex fiber connectors (such

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

Fiber patch cables, also known as fiber optic patch cords or fiber jumpers, are fiber optic cables terminated with connectors on both ends for reliable optical

OM1 62.5/125, Multimode Fiber Cable, Dual SC / Dual

L-com''s OM1 62.5/125 Duplex Multimode fiber optic cables are constructed of the highest quality components and are covered by a one-year warranty. These fiber

Fiber Optics | Connectivity and Tools | Shop trueCABLE

Shop performance-tested fiber optic cables, patch cables, pigtails, and tools. Certified to industry standards with Forever Warranty. Free shipping on orders over $449.99.

All Kinds of Fiber Optic Patch Cords – SC, LC, FC, ST Explained

Learn about SC, LC, FC, and ST fiber optic patch cords, their uses in FTTH, telecom, and data centers, and how to choose the right type.

LC vs SC vs FC vs ST: A Complete Fiber Optic Connector Guide

Compare LC, SC, FC & ST fiber-optic connectors — size, coupling, and ideal use cases — to help you choose the best fit for your network setup.

Fiber Optic Connector Types Guide | LC, SC, MPO, ST & More

Fiber optic connector types explained: LC, SC, ST, MPO, MTP. Learn key differences for your network setup.

Fiber Optic Connector Types: A Beginners Guide

The fiber connector types, sometimes referred to as terminations, link fiber optic cables together through terminals, switches, adapters, and patch

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