

Lc to sc fiber optic dual-patch cable



AI Overview

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.

Overview SC 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.
 - 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.
 - OFNP (Plenum rated):** For air-handling spaces.
 - LSZH (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 Customization** SC 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 fi...

Article Content

Best Premade Fiber Cable Assemblies for Harsh Environments

What is a premade fiber cable assembly? A ready-to-install fiber optic cable with pre-terminated connectors and, often, protective armor for outdoor or industrial use. When should I

Fiber Optic Cable Assemblies | Fiber Patch Cords and

Corning offers the most complete line of connectors and factory-terminated cables, from single-fiber patch cords to high-fiber-count assemblies.

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Shop for fiber optic cables at Cables Plus USA, leader in fiber optic products supply offering high-quality products at the best value through our fiber optic cable

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

Superior Performance: Beyondtech LC to SC Multimode Fiber Patch Cable supports high-speed data for Gigabit Ethernet, Fiber Channel, and other multimode

7 Best Fiber Optic LAN Cable | Stop Losing Signal at Distance

After sifting through armored sheathing data, insertion loss specs, and hundreds of verified buyer accounts, this guide narrows down the best fiber optic lan cable for runs that demand reliability,

Where to Buy LC to SC Fiber Patch Cable | Markertek

Performance series LC to SC 9/125 Simplex single mode fiber optic cables from Camplex. Manufactured with high quality components, these fiber optic patch cables feature Yellow OFNR jackets. Camplex

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

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

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.

5 Best Fiber Optic Cable | Under 10ms Latency Data Lines

Ultra Spec Cables delivers a no-frills OM1 multimode patch cable using Corning fiber and 62.5/125 micron cladding. The LC-to-LC connectors are pre-terminated and 100% inspected for insertion loss.

Lc To Lc Coupler Cable Matters 6-Pack, SC To SC UPC Simplex OS2

Buy Cable Matters 24 Fibers LC To LC OS2 Single Mode Fiber Patch Panel With 6 X LCLC UPC Quad Fiber Optic Adapters - LGX Compatible With Fast Shipping And Top-rated Customer Service.

Best Outdoor Armored Fiber Optic Cable Solutions for Durable ...

Armored protection for outdoor use SC/SC alternative with OS2-like reliability in a LC pairing ERSTICKT 100M LC to LC Armored Outdoor Fiber Cable Check Price on Amazon This 100

Fiber Optic Patch Cable, Dual LC UPC to SC UPC, MM OM5, 2.0mm

This duplex cable assembly is equipped with LC/UPC to SC/UPC connectors. Our lime green fiber optic cable has a plenum (OFNP) rated PVC jacket that ensures compliance with fire and safety standards.

LC Fiber Patch Cables | Singlemode & Multimode with

OM3 LC SC Indoor/Outdoor Duplex Fiber Optic Patch Cable, 10Gb Multimode 50/125 corning optical fiber cord (10Gb up to 300 meters). Tightly buffered in a

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

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

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.

Fiber Optic Patch Cables: The Complete 2026 Buyer's

Confused by LC, SC, MPO, UPC, and APC? This complete fiber optic patch cable guide covers connector types, single-mode vs multimode,

LC to SC Duplex Fiber Optic Patch Cable

Elevate your network with our LC to SC Duplex OM3 Multimode Fiber Patch Cable, optimized for high-speed 10 Gb Ethernet and beyond.

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

Proline 15m SC to LC Yellow OS2 Simplex OFNR (Riser-Rated) SMF

Know your gear This is a 15m SC to LC Yellow OS2 Simplex OFNR (Riser-Rated) SMF Fiber Patch Cable. OS2 fiber optic cable is a high-performance single-mode fiber designed for long-distance data

Patch Cords

Find here Patch Cords, Patch Cable manufacturers, suppliers & exporters in India. Get contact details & address of companies manufacturing

Fiber Optic Patch Cable, Dual LC UPC to SC UPC, MM OM1, 2.0mm

This 10-meter long patch cable assembly is equipped with duplex LC/UPC to SC/UPC connectors. Our orange fiber optic cable has an LSZH (low smoke zero halogen) rated PE jacket that ensures

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

3M Fiber Optic Patch Cords and Pigtails

3MTM Fiber Optic Patch Cords and Pigtails 3MTM Patch Cords provide the interface between distribution cables and active optical equipment. Patch cords are offered in simplex and duplex cable

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

Contact Us

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