

SCLC Fiber Optic Patch Cord Dual Mode



AI Overview

SCLC Fiber Optic Patch Cords are duplex cables with SC and LC connectors, available in multimode (OM3/OM4) and single-mode variants, designed for high-performance optical networking.

Overview SCLC (SC-LC) fiber optic patch cords are duplex cables that connect devices in fiber optic networks, combining SC connectors on one end and LC connectors on the other. They are widely used in LAN, WAN, data centers, and active device terminations due to their reliable optical performance and flexible interconnection capabilities.

Fiber Types and Performance

- Multimode (OM3/OM4):** Supports high-speed data transfer, including 10G Ethernet, with OM4 offering longer link distances (up to 550 meters) and higher modal bandwidth (4700 MHz·km) compared to OM3 (2000 MHz·km).
- Single-mode (OS1/OS2):** Optimized for long-distance transmission with minimal signal loss.
- Dual-mode:** Some cords can support both single-mode and multimode applications depending on network requirements.

Construction and Standards

- Cabling:** Typically features tight-buffered fibers within an individual outer jacket, often 1.6 mm mini cordage for multimode OM3/OM4.
- Sheath:** Low Smoke Zero Halogen (LSZH) for safety in indoor installations.
- Connectors:** High-performance zirconia ferrule SC and LC connectors, factory-terminated and polished for low insertion loss and high return loss.
- Standards Compliance:** ANSI/EIA 568-C.3, ISO/IEC 11801, IEC 60332-3C, Telcordia GR-326-CORE.

Applications

- Data centers:** Interconnecting switches, servers, and patch panels.
- Telecommunications:** High-speed backbone and cross-connects.
- FTTH networks:** Reliable optical connections for fiber-to-the-home deployments.
- Critical environments:** Low-loss, high-bandwidth applications requiring precise connector performance.

Key Features

- Duplex configuration for simultaneous bidirectional communication.
- Field-polished LC connectors allow polarity adjustments from A-B to A-A if needed.
- Factory-tested for optical performance, ensuring durability and reliability.
- Color-coded jackets (e.g., aqua for OM3/OM4) for...

Article Content

PATCH CORDS

1. Overview This specification applies to 3.0mm Single Mode simplex & duplex patch cords. SC, LC and FC connectors are optional upon customer request.

SC-LC Duplex OM4 Multimode Fiber Patch Cable

Fibermart provides SC-LC Duplex OM4 Multimode Fiber Patch Cable with good price & quality! 100% Tested and Free Shipping!

SC vs LC Patch Cords: Key Differences & Uses

Fiber optic patch cords are short-length cables (typically 1-10 meters) with connectors on both ends, used to link network devices like switches, routers, transceivers, and ODFs (Optical

SC-LC OM3 Multi Mode Duplex Fiber Optic Patch Cord

Computer Accessories Adapters & Cables Cables SC-LC OM3 Multi Mode Duplex Fiber Optic Patch Cord Cable - 1M 2M 3M 5M 10M 20M meter 50/125 MM MMF

Beyondtech LC to SC Fiber Patch Cable Multimode Duplex

LC to SC Multimode Duplex are used to connect network devices and are suitable for Gigabit Ethernet, video, multimedia, premise installations, fiber optics patch panels, fiber optic transceiver and fiber

Actassi Technical Catalogue_250110.pdf

SC-LC Fibre Patch Cords The Duplex SC-LC Fibre Patch Cords are 3.0mm cordage with push-pull SC-LC connectors terminated on each end. These patch cords are available in Duplex Multi-Mode

Multi Mode Fiber Optic Patch Cords

Multi Mode Fiber Optic Patch Cords Non-conductive, noise immune and affordable connections Get the best price-to-performance ration with these high quality, duplex, multi-mode and single-mode fiber

Fiber Patch Cord

Prominent & Leading Wholesale Trader from New Delhi, we offer fiber patch cord st/pc to lc/pc 3m, lc/pc to lc/pc om3 fiber optic patch cord 10 mtr, sc-lc fiber optic

Fiber Optic Patch Cords | SC, LC, and ST | SM/MM – Primus Cable

Fiber optic patch cords are used for short distance installations that connect to patch panels, switches and telco equipment. We supply patch cords in single mode and multi-mode options.

Patch Cord SC Duplex Fiber Optic Cable Assemblies – Mouser

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

Fiber Optic Patch Cord Duplex SC to LC Single Mode

Each fiber optic cable is functionally tested to guarantee top performance upon delivery. By utilizing the Polyphaser FPC2SCLC-0SMRY30-03 fiber optic Patch

Fiber Optic, Patch Cord, Single Mode, Duplex, LC-SC, 5 Meter

Single-mode duplex fiber optic patch cord with LC-SC connectors, 5-meter length for reliable data transmission.

Fiber Patch Cords | Leviton Network Solutions

Leviton fiber optic patch cords meet or exceed industry standards to make sure you get the performance you expect. They are available in multimode (OM1, OM3,

SCFiberOpticPatchCordCables SC F

Description Fiber Optic Patch Cable also known as fiber patch cord cable, optical cable or fiber optic jumper. As an important component commonly used in fiber optic networks, high quality fiber patch

Global Manufacturer & Supplier of SC

Buy SC - LC Fibre Patch Cord at the best price from Norden Communication, the global manufacturer and supplier of electrical and optical solutions. Choose

Fibre optic patch cord, Actassi, OM3, SC-LC, duplex, LSZH, 3 m

This duplex SC-LC fibre patch cord is at length 3 meters and with multimode OM3 optical performance. The cord is available in aqua coloured 1.6 mm mini cordage with two push-pull SC and

SC Fiber Patch Cables

Shop SC Fiber Optic Cables at FiberCablesDirect. Singlemode, Multimode SC Duplex fiber patch cords. OM1-OM4, OS2, OFNR, OFNP indoor and outdoor,

RamboCables OS2 SC to LC Single Mode Fiber Patch

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

SC LC Duplex Fiber Optic Patch Cables, SM MM OFNP

SC LC Duplex Fiber Optic Patch Cables, Singlemode Multimode, OM1 OM2 OM3 OM4 OS2, OFNP OFNR, SC/LC Plenum Patch Cables, SC/LC Indoor/Outdoor

Light-LINKS SC/LC Duplex OM2 Patch Cords

DINTEK Light-LINKS™ Multimode Patch Cords are high quality patch cords used for high speed local area networks. These multimode patch cords are

SC LC Duplex Fiber Optic Patch Cables, SM MM OFNP

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

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

Optical Duplex Patchcords with various types of connectors (ST, LC, SC)

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

SC vs LC Patch Cords: Key Differences & Uses

Compare SC and LC patch cords: size, density, performance, and applications. Learn which fiber connector fits telecom, data centers, or enterprise networks.

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

Fiber Patchcord | Single Mode & Multimode Fiber Patch

Browse fiber patch cords including single-mode and multimode options with LC, SC, FC, and ST connectors for data center, telecom, and enterprise networks.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.shangases.co.za>

Email: ekomedsolar@gmail.com

Phone: +86 13816583346

Address: No. 26 Heshun Middle Road, Economic Development Zone, Hai'an City, Jiangsu Province, China

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