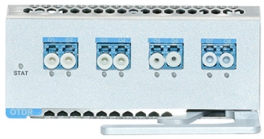
Fiber optic patch cord single-mode lc-sc



Overview

We supply patch cords in single mode and multi-mode options. The most common fiber connector types are LC, SC and ST.

Key Takeaways

A SC to LC single-mode fiber optic patch cord is a high-performance cable designed for long-distance, low-loss optical connections, typically used in structured cabling and network equipment interconnections.

Key Features

Fiber Type: Single-mode 9/125 µm (OS1/OS2), optimized for long-distance transmission with minimal attenuation. Connectors: One end terminated with SC and the other with LC, available in simplex or duplex configurations. Cable Diameter: Commonly 3.0 mm for standard patch cords, with options like 1.6 mm for tighter routing.

Jacket Type: OFNR (flame-retardant) or LSZH (low-smoke zero halogen) for indoor use, ensuring safety and compliance with building codes. Polish Types: PC, UPC, or APC depending on insertion loss and return loss requirements.

Applications

Connecting patch panels, optical switches, and telecom equipment within data centers or network rooms. Ideal for long cable runs in single-mode networks due to low attenuation and high signal integrity. Suitable for indoor structured cabling, with some models supporting custom lengths and hybrid connector combinations.

© 2026 AK OPTICAL SYSTEMS - All rights reserved

Performance Considerations

Low Insertion Loss: Ensures minimal signal degradation over long distances. High Return Loss: Reduces reflections and improves network reliability. Bend Resistance: Some single-mode fibers, like Corning SMF-28 Ultra, offer improved macrobend performance for tight routing.

Purchasing Options

Available from multiple suppliers such as Polyphaser, Corning, Primus Cable, Norden Communication, and Leviton. Custom lengths, connector types, and testing options (e.g., interferometer-tested) are often available for critical network applications. In summary, an SC to LC single-mode patch cord is a versatile and reliable solution for connecting single-mode fiber networks, offering low-loss, high-performance connectivity suitable for both standard and custom network installations.

Article Content

Primus Cable | Fiber Optic Patch Cables

We supply patch cords in single mode and multi-mode options. The most common fiber connector types are LC, SC and ST.

LC-SC OS2 Singlemode Simplex Fiber Optic Patch Cable

Those LC to SC 9/125µm single mode OS2 fiber patch cables support long transmission distances with lower loss. They are manufactured with high-quality optical fiber and ceramic connectors and are

What Is Fiber Patch Cord? Singlemode/Multimode,LC SC FC,UPC Vs

What Is Fiber Patch Cord? Singlemode/Multimode, LC SC FC, UPC vs APC, Specs & Application Selection June 3,2026. Ultimate Fiber Optic Patch Cord Guide: Classification, Connector

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

About this item Superior Performance: Beyondtech UPC Singlemode LC to LC Fiber Cable supports ATM, Fast Ethernet, Fiber Channel & Gigabit Ethernet, ensuring stable video, data & voice

Fiber Optic, Patch Cord, Single Mode, Duplex, LC-SC, 1 Meter

Fiber Optic, Patch Cord, Single Mode,Duplex, LC-SC, 1 Meter Length Bend insensitive fiber Plenum Rated Product details Resources and downloads

SC-LC Fiber Patch Cords

© 2026 AK OPTICAL SYSTEMS - All rights reserved

Amphenol duplex SC to LC fiber optic patch cords combine duplex zip-cord style 9u OS1 Single Mode Fiber (SMF) terminated with machine-polished 2x SC and 2x LC connectors. Available in standard

Fiber Optic Patch Cord Simplex SC to LC Single Mode Fiber,

Each fiber optic cable is functionally tested to guarantee top performance upon delivery. By utilizing the Polyphaser FPC1SCLC-0SMRY30-03 fiber optic Patch Cord, critical network uptime is assured.

SC to LC Fiber Cables

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

1m Single Mode Fiber Patch Cable LC-SC | LC Fiber Cables

1m Fiber Optic Cable - Single-Mode Duplex 9/125 LSZH Fiber Jumper Cord - LC/SC Connect fiber network devices for high-speed transfers with LSZH rated cable Product ID: SMFIBLCSC1

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

Single Mode Patch Cords

Techlogiks Single Mode fiber patch cords provide connections from active components to patch panels and to wall outlets. Available in a variety of cable colors to complement any network, custom

Fiber Optic Patch Cord, Single Mode & Multimode Patch Cord

Fiber patch cords are one of the most widely used basic components in optical communications. UnitekFiber supplies FCSTSCLCMTRJ and PCAPCUPC patch cord in cheap price. Welcome

LC & SC Fiber Optic Patch Cables

LC and SC fiber optic patch cables in OS2 single-mode and OM3/OM4/OM5 multimode. UPC & APC polish options. LSZH rated, custom lengths available.

Fiber Optic Patch Cord Simplex SC to LC Single Mode

The Polyphaser FPC1SCLC-0SMRY30-01 is a SC to LC Simplex 9/125 single mode 3.0mm diameter fiber optic Patch Cord best used for long cable runs in any

LC-SC OS2 Singlemode Duplex Fiber Patch Cable

© 2026 AK OPTICAL SYSTEMS - All rights reserved

This provides an ideal fiber cabling solution with a highly competitive price for users in data communication and telecommunication networks. This LC-SC LSZH fiber patch cord can replace

Patch Cord LC Singlemode Fiber Optic Cable Assemblies

Mouser offers inventory, pricing, & datasheets for Patch Cord LC Singlemode Fiber Optic Cable Assemblies.

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.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://aboutkitchens.biz
Technical inquiry: https://aboutkitchens.biz/project-desk.html
North American project location: Research Triangle Park, North Carolina, United States

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

© 2026 AK OPTICAL SYSTEMS - All rights reserved