# Single-mode SC fiber optic patch cord

## Overview

Pre-terminated single mode, multimode, and 10G fiber patch cables with SC, ST, LC, MTRJ, FC, E2000, VF45 connectors.

## Key Takeaways

A single-mode SC to SC fiber optic patch cord is a high-performance cable designed for long-distance, low-loss optical communication using 9/125µm OS2 fiber.Overview

Single-mode SC patch cords are used in telecommunications, data centers, and enterprise networks to connect optical devices over long distances with minimal signal loss. They utilize 9/125µm OS2 fiber, which supports distances up to 10 km at 1310 nm wavelength due to low attenuation and high signal integrity . These cables are ideal for both indoor and outdoor applications.

Key Features
• Connector Type: SC to SC, typically with UPC (Ultra Physical Contact) polish for low return loss .

• Fiber Type: Single-mode 9/125µm OS2, optimized for long-distance transmission .

• Cable Options: Available in simplex (single strand) or duplex (two strands) configurations for one-way or bidirectional communication .

• Jacket Material: Options include LSZH (Low Smoke Zero Halogen) or plenum-rated jackets for fire safety in air-handling spaces .

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

• Performance Testing: Factory-tested for insertion loss, return loss, and end-face quality to ensure reliable signal transmission .
Applications
• Telecommunications: Connecting central offices, long-haul fiber runs, and backbone networks.

• Data Centers: High-speed connections between switches, routers, and storage devices.

• Enterprise Networks: Reliable optical links for office or campus networks.
Advantages
• Low Insertion Loss: Ensures minimal signal degradation over long distances.

• High Return Loss: Reduces signal reflection for better network performance.

• Durability: High-quality optical fiber and ceramic connectors provide long-term reliability.

• Customizable Lengths: Available in various lengths to fit specific network layouts .
Single-mode SC patch cords are essential for high-performance fiber-optic networks, providing precise, low-loss connections for critical communication infrastructure . They are widely available from suppliers like Amazon, Primus Cable, Optcore, and Lanshack, offering a range of lengths, jacket types, and simplex or duplex configurations .

## Article Content

Amazon : Sc To Sc Single Mode Fiber Patch Cable

Shop high-performance SC to SC single mode fiber patch cables. Find OS2 rated options for data centers, telecom, and enterprise

SC to SC Fiber Optic Patch Cable, Armored Single

Bangun sc to sc simplex armored fiber patch cords terminated with Foxconn

SC-SC Duplex 9/125 OS2 Singlemode LSZH Fiber

Optcore offers an extensive line of SC to SC 9/125µm OS2 single-mode duplex fiber optic patch cables

Fiber Patchcord | Single Mode & Multimode Fiber Patch

Browse fiber patch cords including single-mode and multimode options with LC, SC, FC, and ST

BEYONDTECH 3m (9.84ft) LC to SC Fiber Patch Cable

*© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved*

About this item Superior Performance: Beyondtech UPC Singlemode LC to SC Fiber Cable supports ATM,

3 ft / 1M SC/APC to SC/APC Fiber Optic Patch Cable

About this item For Home Fiber Networks - Our Single mode fiber optic cables are perfect for industrial or Fiber in the home

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

Ultimate Fiber Optic Patch Cord Guide: Classification, Connector Types, End Faces, Industry Applications & Purchase

SC-LC Fiber Patch Cords

Amphenol duplex SC to LC fiber optic patch cords combine duplex zip-cord style 9u OS1 Single Mode Fiber (SMF) terminated with

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

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

Single Mode Patch Cords

Single Mode Patch Cords Techlogiks Single Mode fiber patch cords provide connections from active

SC Fiber Patch Cables

Shop SC Fiber Optic Cables at FiberCablesDirect. Singlemode, Multimode SC Duplex fiber patch cords.

SC-SC OS2 Singlemode Simplex Fiber Patch Cable

Those SC to SC 9/125µm single mode OS2 fiber patch cables support long transmission distances with

Single Mode Fiber Optic Cable, Patch Cords cables

SINO OPTIC single mode patch cables are available with a diameter of 1.6, 2, 2.8 or 3mm jacket. The fiber optic connector interfaces

OS2 SC to LC Single Mode Fiber Patch Cable 1M/3ft

About this item □□1M (3ft) OS2 SC-LC Fiber Optic Patch Cable Single Mode 1G/10G is designed for high density applications in gigabit

ST Fiber Optic Cables

*© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved*

Get the highest quality ST fiber optic cables from FiberCablesDirect. We carry Singlemode, Multimode Duplex ST Fiber Patch

Fiber Patchcord | Single Mode & Multimode Fiber Patch

Browse fiber patch cords including single-mode and multimode options with LC, SC, FC, and ST

BEYONDTECH 3m (9.84ft) LC to SC Fiber Patch Cable

About this item Superior Performance: Beyondtech UPC Singlemode LC to SC Fiber Cable supports ATM,

3 ft / 1M SC/APC to SC/APC Fiber Optic Patch Cable

About this item For Home Fiber Networks - Our Single mode fiber optic cables are perfect for industrial or Fiber in the home

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

Ultimate Fiber Optic Patch Cord Guide: Classification, Connector Types, End Faces, Industry Applications & Purchase

SC-LC Fiber Patch Cords

Amphenol duplex SC to LC fiber optic patch cords combine duplex zip-cord style 9u OS1 Single Mode Fiber (SMF) terminated with

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

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

Amazon : Sc To Sc Single Mode Fiber Patch Cable

Shop high-performance SC to SC single mode fiber patch cables. Find OS2 rated options for data centers, telecom, and enterprise

SC to SC Fiber Optic Patch Cable, Armored Single

Bangun sc to sc simplex armored fiber patch cords terminated with Foxconn

SC-SC Duplex 9/125 OS2 Singlemode LSZH Fiber

Optcore offers an extensive line of SC to SC 9/125µm OS2 single-mode duplex fiber optic patch cables

Single Mode Fiber Cables, Single-mode Duplex Cables, OS2 Patch

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

*© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved*

Singlemode Fiber Optic Patch Cables | LC, SC, ST

Shop custom & stock singlemode patch cables with LC, SC & ST connectors. Plenum-rated & USA-made

SC-SC OS2 Singlemode Simplex Fiber Patch Cable

Those SC to SC 9/125µm single mode OS2 fiber patch cables support long transmission distances with

SC Fiber Patch Cables

Shop SC Fiber Optic Cables at FiberCablesDirect. Singlemode, Multimode SC

Optical Fiber Patch Cables (Single Mode, Multimode & 10G)

Pre-terminated single mode, multimode, and 10G fiber patch cables with SC, ST, LC, MTRJ, FC, E2000, VF45 connectors. Mode

Fiber Optic Patch Cables

Fiber optic patch cords are used for short distance installations that connect to patch panels, switches and

OS2 Single Mode Fiber Optic Patch Cables

SC APC simplex patch cables feature an angled polish that reduces back reflection for FTTx, GPON, and fiber-to-the-home

Amazon : Sc To Sc Single Mode Fiber Patch Cable

Shop high-performance SC to SC single mode fiber patch cables. Find OS2 rated options for data centers, telecom, and enterprise

SC to SC Fiber Optic Patch Cable, Armored Single

Bangun sc to sc simplex armored fiber patch cords terminated with Foxconn

SC-SC Duplex 9/125 OS2 Singlemode LSZH Fiber

Optcore offers an extensive line of SC to SC 9/125µm OS2 single-mode duplex fiber optic patch cables

Related Video Reference

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

*© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved*

## Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved