SC-SC Single-mode Fiber Cable



Overview

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

Key Takeaways

SC to SC single mode fiber cables are high-performance 9/125 µm fiber optic cables with SC connectors on both ends, designed for reliable long-distance data transmission in telecom, data center, and enterprise networks. OverviewSC to SC single mode fiber cables use SC (Subscriber Connector) connectors on both ends and a single mode 9/125 µm fiber core, which allows for low-loss, high-speed data transmission over long distances. These cables are commonly used in LANs, SANs, GPON, FTTX, and data center interconnects.

They support Ethernet, Fiber Channel, ATM, and video/data/voice services.

Types and Configurations

Duplex vs Simplex: Duplex cables have two fibers for bidirectional communication, often used in network equipment connections. Simplex cables have a single fiber, suitable for one-way transmission or specific applications. OS1 vs OS2: OS1: Indoor-rated, low attenuation (0.

25 dB/km at 1550 nm), suitable for premises and short-distance applications. OS2: Optimized for long-distance outdoor or data center use, with lower attenuation and higher performance. Jacket Types: OFNR (Riser-rated): Suitable for vertical runs in buildings.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

OFN

P (Plenum-rated): Suitable for air-handling spaces.

PV

C: Standard indoor use. Standards and PerformanceSC to SC single mode cables typically comply with: ITU-T G. 652A/B/D for single mode fiberIEC 60793-2-50 Type B1.

1TIA/EIA 492 CAAARoHS environmental standards Performance characteristics include: Insertion Loss (IL): Typically low, tested individually for optimal performanceBend Radius: Minimum 5 cm for standard 3 mm jacket cablesTemperature Range: -20°C to +70°C (-4°F to 158°F)Color Jacket: Yellow for single mode fiber ApplicationsSC to SC single mode fiber cables are widely used for: Data centers: Connecting servers, switches, and patch panelsTelecom networks: Long-distance signal transmissionEnterprise networks: High-speed LAN and SAN connectionsFTTX and GPON: Passive optical networks for broadband deliveryAdditional FeaturesMany SC to SC cables come with: Dust caps to protect connectorsEasy-removable clips for duplex assembliesCustom lengths and connector polishes availableFunctional testing to ensure network uptime SC to SC single mode fiber cables are essential for maintaining high-speed, low-loss, and reliable optical connections in modern network infrastructures.

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 networks on Amazon.

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 lower loss. They are manufactured with high-quality

Linkedpro EF-100-SC 100m Single-Mode Fiber Optic Cable SC-SC

Linkedpro EF-100-SC 328 ft (100 m) Single-Mode Fiber Optic Duplex SC-to-SC Patch. Authentic Linkedpro with manufacturer warranty. Ships fast from US stock.

AddOn 5m SC to SC Aqua OM3 ADD-SC-SC-5M5OM3 | Tech-America

AddOn 5m SC to SC Aqua OM3 Duplex OFNR (Riser-Rated) MMF (Multi Mode) Fiber Patch Cable, 50/125 - 16.40 ft Fiber Optic Network Cable for Network Device - First End: 2 x SC Network - Male -

© 2026 EXF OPTICAL NETWORKS - All rights reserved

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

OS2 SC SC Indoor/Outdoor Fiber Patch Cables | Duplex Single-Mode Fiber Jumper with Corning 9/125um core/cladding. A rugged, tightly buffered, black, indoor/outdoor, water/UV resistant, fiber

Fiber Optic Cables | Fiber Patch Cables | Patch Cords, Duplex

Fiber Patch Cables, Multimode & Singlemode Duplex Fiber Optic Cables, Secure Order Fiber Patch Cords, Preferred Mil. Edu. Gov. Pricing, Same Day Shipping From CA USA, Verified Reviews

AddOn 100m SC to SC Yellow OS2 Duplex OFNP (Plenum-Rated)

This is a 100m SC to SC Yellow OS2 Duplex OFNP (Plenum-Rated) SMF Fiber Patch Cable. OS2 fiber optic cable is a high-performance single-mode fiber designed for long-distance data transmission,

AddOn 45m SC to SC Yellow OS2 Duplex OFNR (Riser-Rated) SMF

Connect devices across floors with this AddOn 45m SC to SC Yellow OS2 Duplex OFNR SMF fiber patch cable, supporting long-distance 100G speeds.

4-Meter 9u/125u Fiber Optic Patch Cable Singlemode Duplex SC to SC

Hybrid Fiber Systems 4-Meter 9u/125u Fiber Optic Patch Cable Singlemode Duplex SC to SC - Yellow SMD9-SC-SC-004 Performance series SC to SC 9/125 Duplex (Dual) Singlemode fiber optic cables

OS2 9/125 Singlemode Fiber Optic Patch Cable OFNR PVC SC-SC

Quick tech specs Duplex single-mode patch cables for high-bandwidth transmission Connector options are available in combinations of LC, SC, and ST 100 percent testing to ensure optimal performance

Fiber Patch Cable, SC to SC, Single-Mode 9/125, Duplex

SC to SC Fiber Patch Cable with Single-Mode 9/125 Duplex Cables. These high speed single-mode 9/125µm duplex fiber optic patch cables are terminated with SC fiber optic connectors on both ends

OS2 Fiber Optic Cables | LC/SC/FC/ST Simplex

Explore OS2 singlemode fiber optic cables with LC, SC, FC, and ST connectors for long-reach 1G–400G links. Simplex, duplex, and uniboot options in 2.0mm OFNR.

9/125, Singlemode Fiber Cable, SC / SC, 1.0m

L-com''s 9/125 Simplex Singlemode fiber optic cables are constructed of the highest quality components and are covered by a one-year warranty. These fiber optic

© 2026 EXF OPTICAL NETWORKS - All rights reserved

9/125, Single mode Fiber APC Cable, SC / SC, 1.0m

These fiber optic patch cables feature OFNR (Riser rated) jackets along with SC/APC style connectors. Each fiber optic cable is functionally tested to guarantee top performance upon delivery.

SC SC Fiber Single Mode Duplex quantity discount pricing

Our high-quality SC to SC fiber cable is a great option for gigabit ethernet, fast ethernet, and any other data application! The SC jumper has a simple push/pull motion for quick removal and installation.

Fiber Optic Patch Cord Simplex SC to SC Single Mode

The Polyphaser FPC1SCSC-0SMRY30-03 is a SC to SC Simplex 9/125 single mode 3.0mm diameter fiber optic Patch Cord best used for long cable runs in any

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://explosivefunctions.co.za
Technical inquiry: https://explosivefunctions.co.za/contact.html
EU project coordination: Parque das Nações, Lisbon, Portugal

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

© 2026 EXF OPTICAL NETWORKS - All rights reserved