

SC to ST fiber optic patch cord dual core



Overview

Get the best performance out of your devices with our 3 meter SC to ST (9/125) singlemode duplex fiber optic patch cables.

Key Takeaways

An SC to ST dual-core fiber optic patch cord connects SC-equipped devices to ST ports, supporting both single-mode and multimode networks with high performance and low signal loss.

An SC to ST fiber optic patch cord is a hybrid cable with an SC (Subscriber Connector) on one end and an ST (Straight Tip) connector on the other. The dual-core (duplex) configuration allows simultaneous bidirectional data transmission, making it ideal for high-speed network applications, data centers, FTTH (fiber-to-the-home) systems, and telecom infrastructure .

Fiber Types and Specifications

- Single-mode (SM): Typically uses 9/125 μm fiber (G652D or G657A1), suitable for long-distance transmission with low insertion loss and high return loss .
- Multimode (MM): Commonly 50/125 μm (OM2) or 62.5/125 μm (OM1), optimized for shorter distances and high-bandwidth applications like LANs and campus networks .

Connector Features

- SC Connector: Push-pull design, widely used in modern FTTH and telecom networks, ensures secure and easy connection .
- ST Connector: Bayonet-style twist-on/twist-off mechanism, compatible with legacy equipment, providing reliable mating and easy installation .

- Polish Types: UPC (Ultra Physical Contact) or APC (Angled Physical Contact) for low reflection and high signal integrity .

Cable Construction

- Jacket Material: Options include LSZH (Low Smoke Zero Halogen) or PVC, providing flexibility, durability, and fire safety for indoor installations .

- Diameter: Typically 2.0 mm for dual-core patch cords, balancing flexibility and protection .

- Customizable Lengths: Available in various lengths to suit specific network layouts and installation requirements .

Applications

- Connecting modern SC-based equipment to legacy ST ports during network upgrades .

- Data centers and telecom networks requiring high-performance, low-loss optical connections .

- FTTH deployments, linking optical network terminals to SC-equipped modules .

Performance Considerations

- Low Insertion Loss: Ensures minimal signal attenuation over the cable length.

- High Return Loss: Reduces signal reflection for stable transmission.

- Durability: Precision-polished connectors and robust jackets provide long-term reliability . SC to ST dual-core patch cords are essential for bridging modern and legacy fiber networks, offering flexibility, high performance, and compatibility across various optical systems.

Article Content

Fiber Optic Patch Cables: FC, SC, ST & LC Connector Guide 2026

Not sure which fiber optic patch cable to buy? This practical guide breaks down FC, SC, ST, and LC connectors—with

Fiber Optic Patch Cable, Dual SC UPC to ST UPC, MM OM3, 2.0mm

Pasternack's PE3FCA153 fiber optic patch cord is a robust and versatile fiber optic cable assembly designed for high-performance

SC to ST Fiber Cables

OM3 SC ST Plenum Duplex Fiber Patch Cable, 10G Multimode 50/125 Aqua OFNP SC/ST Fiber Jumpers. The OM3 OFNP fiber

Fiber Optic Patch Cord

Fiber patch cords are one of the most widely used basic components in optical communications. UnitekFiber supplies

StarTech 2m OM1 Fiber Cable, ST to SC, 62.5/125, Optic

The FIBSTSC2 2-meter (6.6ft) Multimode 62.5/125 Duplex Fiber Patch Cable is terminated with one ST (male) connector and one

3m Singlemode Duplex Fiber Optic Patch Cable (9/125)

Get the best performance out of your devices with our 3 meter SC to ST (9/125) singlemode duplex fiber optic patch cables.

SC Fiber Optic Patch Cords

SC Fiber Optic Patch Cords We offer single mode and mutlimode SC fiber optic patch cables like SC-LC, SC-ST, SC-FC, SC-MU,

Fiber Optic Cable Assemblies | Fiber Patch Cords and Fiber Jumpers ...

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

SC & ST Fiber Optic Patch Cords, Single-mode Duplex: SC to SC, SC

SC fiber optic patch cords and ST fiber optic patch cords are SINGLE-MODE DUPLEX fiber optic patch cords having one DUPLEX of

SC to ST

Listed below you will see our section of ST to SC fiber cables. Offered in a variety of lengths one end has the ST connector also

SC to ST Fiber Patch Cable, 3M (9.84ft) Single-Mode Duplex Jumper

SC to ST Singlemode Duplex Fiber Patch Cable is specially designed for fast Ethernet, Fiber Channel, Gigabit Ethernet Speeds,

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://thegalleryselfcatering.co.za>

Technical inquiry: <https://thegalleryselfcatering.co.za/contact.html>

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

