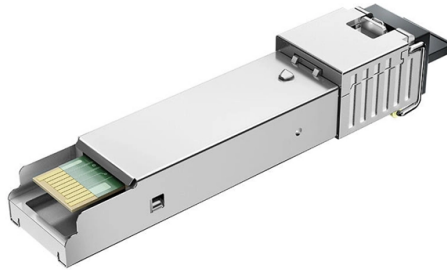


ST-SC Fiber Optic Patch Cord



Overview

SC is a rectangular-shaped connector that snaps into place with a simple push-pull latching mechanism.

Key Takeaways

An SC fiber optic patch cord is a fiber cable with SC connectors on both ends, used to connect devices in fiber optic networks for reliable signal transmission.

An SC (Subscriber Connector or Standard Connector) fiber optic patch cord is a type of fiber jumper cable designed to connect networking devices, enabling signal routing between equipment such as switches, routers, and optical transceivers. SC connectors are square, push-pull style connectors that latch securely and are keyed to prevent misalignment. These cords are widely used in data centers, telecom networks, GPON/EPON systems, and high-speed Ethernet applications.

Types

SC patch cords are available in single-mode (OS1/OS2) and multimode (OM1, OM2, OM3, OM4, OM5) fiber types. Single-mode cords are ideal for long-distance transmission, while multimode cords are used for shorter distances with higher bandwidth requirements. They can also be simplex (single fiber) or duplex (two fibers) depending on the network configuration.

Key Features

- Low insertion loss and return loss for high-performance signal transmission.

- Durable construction: Many SC patch cords feature armored or LSZH (Low-Smoke, Zero Halogen) jackets for protection against bending, wear, and environmental hazards .
 - Bend-insensitive fiber: Some cords use G.657A2 fiber for tight spaces and frequent bending without signal degradation .
 - Connector quality: Precision ceramic ferrules ensure low insertion loss and stable connections .
- Applications

SC fiber optic patch cords are used in:

- FTTH, FTTB, and FTTP networks for residential and commercial fiber access .
- Data centers and server farms for high-density cabling .
- Telecom and broadband networks for connecting optical equipment .
- CCTV and security systems requiring reliable fiber connections .

Selection Tips

When choosing an SC patch cord, consider:

- Fiber type: Single-mode for long distances, multimode for short distances.
- Connector type: SC/UPC for standard connections, SC/APC for angled connections to reduce back reflection.
- Cable jacket: LSZH for indoor use, armored for harsh environments.
- Length and flexibility: Ensure the cord fits your installation without excessive bending. SC fiber optic patch cords are essential for maintaining high-speed, low-loss, and reliable fiber optic networks, and selecting the right type ensures optimal performance and durability .

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

ST Fiber Optic Cables

Flexible, easy to install and reliable multi-mode fiber patch cord terminated with

ST to SC Fiber Optic Patch Cables

Performance series ST to SC 9/125 Simplex single mode fiber optic cables from Camplex. Manufactured with high quality

Fiber Patch Cable & Patch Cord

Fiber patch cables and patch cords, LC/SC/ST/FC, singlemode & multimode, custom lengths. Fiber-Mart 15-year manufacturer,

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,

Fiber Patch Cables | Graybar Store

Shop Our Inventory Of Fiber Patch Cables Online. Graybar Is Your Trusted Distributor For Patch Cables.

All Kinds of Fiber Optic Patch Cords – SC, LC, FC, ST Explained

Learn about SC, LC, FC, and ST fiber optic patch cords, their uses in FTTH, telecom, and data centers, and how to

Fiber Patchcord | Single Mode & Multimode Fiber Patch

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

Fiber Optic Patch Cords and Pigtails | Leviton Network

Leviton has patch cords for every type of application. Multimode and single-mode cords are available in

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

StarTech 3m OM1 Fiber Cable, ST to SC, 62.5/125,

The FIBSTSC3 3-meter (10ft) Multimode 62.5/125 Duplex Fiber Patch Cable is terminated with one ST

Fiber Optic Cables

FiberMart provides various types of fiber optic patch cables including singlemode, multimode, multi-core, armored patch cables, as

Fiber Optic Patchcords

Fiber Optic Patchcords connect fiber optic equipment or patch panel. Patchcords are available with different connector combinations

Fiber Optic Cable Patch Cords

SC is a rectangular-shaped connector that snaps into place with a simple push-pull latching mechanism. These connectors facilitate

How Many Types of Patch Cords Are There

A patch cord is a cable with connections on both ends that connect end devices to power sources. These cables mostly

Fiber Patch Cable & Patch Cord

Fiber patch cables and patch cords, LC/SC/ST/FC, singlemode & multimode, custom lengths. Fiber-Mart 15-year manufacturer,

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,

Fiber Patch Cables | Graybar Store

Shop Our Inventory Of Fiber Patch Cables Online. Graybar Is Your Trusted Distributor For Patch Cables.

All Kinds of Fiber Optic Patch Cords – SC, LC, FC, ST Explained

Learn about SC, LC, FC, and ST fiber optic patch cords, their uses in FTTH, telecom, and data centers, and how to

Fiber Patchcord | Single Mode & Multimode Fiber Patch

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

Fiber Optic Patch Cords and Pigtails | Leviton Network

Leviton has patch cords for every type of application. Multimode and single-mode cords are available in

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

ST Fiber Optic Cables

Flexible, easy to install and reliable multi-mode fiber patch cord terminated with

ST to SC Fiber Optic Patch Cables

Performance series ST to SC 9/125 Simplex single mode fiber optic cables from Camplex. Manufactured with high quality

SC to ST Fiber Cables

Shop the highest quality SC to ST fiber patch cords available, with Fiber Cables Direct. Our SC ST Fiber

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

SC to ST Fiber Optic Patch Cable, 5M (16.4ft) SC-ST SingleMode

FEATURES: This SC to ST fiber patch cable is low insertion loss, good inter- insertion performance. Interchangeability, temperature

Fiber Optic Patch Cord Simplex ST to SC Single Mode

Each fiber optic cable is functionally tested to guarantee top performance upon delivery. By utilizing the

Fiber Optic Patch Cables — SC, LC, FC, ST, Single

We offer a complete range of fiber optic patch cables, including LC patch cables, SC patch cords, and LC

Duplex ST to SC Fiber Optic Patch Cord, Singlemode, 1 M

Singlemode duplex ST to SC fiber jumper with a yellow jacket. 1 Meter.

Fiber Optic Patch Cables

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

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

ST Fiber Optic Cables

Flexible, easy to install and reliable multi-mode fiber patch cord terminated with

ST to SC Fiber Optic Patch Cables

Performance series ST to SC 9/125 Simplex single mode fiber optic cables from Camplex. Manufactured with high quality

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.

