

What is a fiber optic cable square connector



Overview

SC connectors, also known as Subscriber Connectors, Square Connectors or Standard Connectors are non-optical disconnect connectors with a 2.5mm pre-radius-ed zirconia ferrule. They are ideal for quick patching of cables into rack or wall mounts due to their push-pull design. The name may also refer to standard connector, subscriber connector, or stick-and-click. What is a Fiber Connector?

The optical fiber connector is a kind of detachable passive optical component used in the connection between fiber to fiber, the light source to the fiber, and fiber to the detector to achieve the light maximize coupling to the receiving fiber. While there are hundreds of different fiber connector types on the. For ISPs and FTTH contractors operating in Africa, the Middle East, and Latin America, understanding what an SC connector is, where it performs well, and where its limitations appear is critical for building reliable and scalable FTTH networks [1]. SC Connectors, also known as standard, square, subscriber, or Sam Charlie Connectors, were developed by NTT (Nippon Telegraph and Telephone) under the name “Subscriber Connector”.



Article Content

Apr 24, 2026

SC Connector Explained

Available in both single-mode and multi-mode configurations, the SC Connector features a square shape, a 2.5mm ferrule compatible with FC and ST via hybrid adapters, and a reliable push ...

Dec 22, 2025

What are SC connectors? | Connector Supplier

SC fiber-optic cable connectors are widely used in optical network applications, such as internet and cable TV. The name comes from the shape (square connector), although it is actually a rectangular ...

Oct 30, 2025

What Is An SC Connector In FTTH Networks

An SC connector (Subscriber Connector or Square Connector) is a push-pull fiber optic connector with a 2.5 mm ferrule, commonly used in FTTH, FTTx, and telecom access networks.

May 15, 2026

Fiber Connector Types: A Comprehensive Guide 2025

The SC connector is one of the earliest and most enduring types in the fiber optic world. Known for its square shape and push-pull coupling, SC is widely used in FTTH (Fiber to the Home) ...

Feb 22, 2026

LC vs SC Fiber Connector – Key Differences Explained

The primary difference between SC and LC fiber optic connectors lies in their size and coupling mechanism. SC connectors, also known as Subscriber Connectors or Square Connectors, ...

May 08, 2026

Fiber Optic Cable SC Connector Overview – feverdo

The SC connector remains a solid choice for many fiber optic installations, offering a balance of performance, reliability, and cost-effectiveness that makes it suitable for a wide range of ...

Sep 10, 2025

A Guide To Fiber Optic Connectors | Fibertronics, Inc.

SC connectors, also known as Subscriber Connectors, Square Connectors or Standard Connectors are non-optical disconnect connectors with a 2.5mm pre-radius-ed zirconia ferrule. They ...

Dec 16, 2025

Fiber Connector Types

SC fibre optic connectors stand for square fiber optical connector, which features a square push-pull structure. The ferrule diameter of the SC connector is 2.5mm.

Dec 31, 2025

Fiber Connector Types Demystified: LC, SC, FC, ST, MTP, and MPO ...

The SC fiber connector, short for square fiber optical connector, features a square push-pull structure with a ferrule diameter of 2.5mm. A spring inside the flange ensures a secure ...

Sep 21, 2025

Fiber Optic Connector Types: A Beginners Guide

The fiber connector types, sometimes referred to as terminations, link fiber optic cables together through terminals, switches, adapters, and patch panels, by bridging the gap between their ...

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

