

SC to FC interface



Article Overview

SC and FC connectors are both 2.5 mm ferrule fiber optic connectors, but SC uses a push-pull mechanism while FC uses a screw-threaded connection, and they require an adapter or hybrid patch cable to interface.

Connector Overview

SC Connector

- Stands for Subscriber Connector.
- Features a rectangular body with a push-pull latch for easy insertion and removal.
- Commonly used in Gigabit Ethernet, datacom, and telecom networks.
- Advantages: quick connection, moderate mechanical stability, low insertion loss, and easy deployment in structured cabling . FC Connector
- Stands for Ferrule Connector.
- Features a round metal body with a screw-threaded coupling for secure attachment.
- Typically used in telecom systems, measurement equipment, and single-mode lasers.
- Advantages: highly reliable, dust-resistant, and vibration-resistant; disadvantages include longer installation time and more careful alignment required .

Interfacing SC to FC

Since SC and FC connectors have different mechanical designs, they cannot be directly plugged into each other. To connect an SC interface to an FC interface, you...

Article Content

Aug 22, 2025

Fiber Connectors

3. FC Connector The FC was the first optical fiber connector to use a ceramic ferrule, but unlike the plastic-bodied SC and LC, it

Jan 29, 2026

Connector Types in Fiber Cabling: Comparison of SC,

This post describes four common connector types in fiber cabling, including SC, LC, ST,

Jul 03, 2026

Several optical fiber connectors (ST, SC, LC, FC) YCICT

The SC connector is engineering plastic, which has the advantages of high temperature resistance and not easy to

Jun 17, 2026

Common Fiber Connector Types in Optical Transceivers

Explore common fiber connector types like SC, LC, ST, FC, and MPO/MTP, their characteristics, and applications in

Jul 03, 2026

What is SC, ST, FC, LC fiber connectors?

In fiber optical telecommunication, there are various fiber ports. Among them, FC, SC, ST and LC are applied commonly. Fiber optic

Oct 03, 2025

SC To FC Adapter/Coupler

Fiber optic adapters are typically connecting cables with similar connectors (SC to SC, LC to LC, etc.).

Jun 28, 2026

Fiber Connector Types

Fiber connector types LC, SC, FC, ST, MTP, and MPO are widely used in past and

Mar 20, 2026

LC Vs SC Vs FC Vs MPO Fiber Optic Connectors: Expert Guide

Compare LC, SC, FC, ST, MPO & MTP fiber optic connectors with expert insights. Learn which connector fits your

Nov 09, 2025

Fiber Connector Types: Lc Vs Sc Vs St Vs Fc — Which

Compare LC, SC, ST and FC fiber connectors by form factor, insertion loss, durability and best use cases.

Nov 01, 2025

Differences Between ST, SC, FC, and LC Fiber

Answer first: select ST, SC, FC, LC, MPO/MTP, or another connector from the equipment

Jun 12, 2026

Optical Fiber Termination Types Chart: SC, LC, FC, ST Comparison

Compare optical fiber termination types, including SC, LC, FC, and ST. View our chart and learn how to choose the

Oct 27, 2025

Fiber Optic Standard Adapter, SC Female to FC Female

The Polyphaser OFA-SCFFCF-G-RZ0MMT is a fiber optic adapter with SC female to FC female

Oct 21, 2025

Optical fiber connector

LC (top) and ST (bottom) optical fiber connectors, both with protective caps in place
An optical fiber connector is a device used to link

Jun 08, 2026

Fiber Connector Types: A Complete Guide (2024)

A fiber connector is a precise coupling device to join fiber cables quickly. This guide introduces LC, SC, FC, ST, MPO,

Nov 12, 2025

Comparison of LC, SC, MPO, ST and FC connectors

LC SC MPO ST and FC are fiber connectors which are commonly used in optical network, understanding the differences between

Jul 06, 2026

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

Nov 01, 2025

Fiber Connector Types • ST, FC, SC, LC, & MTP/MPO •

Often times when installing a fiber, you find yourself trying to select the most efficient fiber connector types

Feb 26, 2026

Several types of fiber optic interfaces

The FC interface adopts threaded connection, which has high connection stability. The appearance of the FC interface is similar to

Oct 01, 2025

A Breakdown of Fiber Optic Patch Connectors and

A comprehensive guide to fiber optic connectors including FC, SC, LC, ST, and MPO/MTP

Nov 25, 2025

Optical Fiber Connectors: FC, SC, ST, LC, and DIN Explained

Explore different types of optical fiber connectors like FC, SC, ST, LC, and DIN, their functions in connecting fiber cables and devices.

Jun 23, 2026

SC vs LC vs FC vs ST Connectors Explained

SC, LC, FC, and ST are the four most widely used connector interfaces in optical

Apr 07, 2026

LC vs SC vs FC vs ST: A Complete Fiber Optic Connector Guide

Compare LC, SC, FC & ST fiber-optic connectors — size, coupling, and ideal use cases — to help you choose the

Apr 22, 2026

Optical fiber connector

They come in various types like SC, LC, ST, and MTP, each designed for specific applications. In all, about

Oct 25, 2025

Fiber Connector Types Demystified: LC, SC, FC, ST,

Fiber Connector Types play a pivotal role in ensuring efficient and reliable communication

Jan 16, 2026

The difference between ST, SC, FC, LC fiber optic connectors

ST, SC, and FC fiber optic connectors are standards developed by different companies in the early days. They have the same effect

Nov 27, 2025

Optical Adapters Fiber Optic Connectivity | Specs | AFL Global

Adapters are used to mate two fiber optic connectors. They are offered in all major connector interfaces, including SC, FC, ST, LC,

Sep 19, 2025

Fiber Connectors

FC connectors are often used for single-mode fibers including polarization-maintaining fibers, but are

May 10, 2026

Optical Fiber Termination Types Chart: SC, LC, FC, ST Comparison

Optical fiber terminations are the mechanical and optical interfaces that connect fiber cables to equipment, patch

Jan 15, 2026

Fiber Optic Connectors Guide: LC vs SC vs FC vs ST vs MTP/MPO –

Compare LC, SC, FC, ST, and MTP/MPO fiber connectors. Learn their structures, applications, advantages, and

Feb 26, 2026

Fiber Connector Types

The above article has comprehensively introduced the LC, SC, FC, ST, MTP, and MPO

Feb 14, 2026

Understanding Fiber Connector Types ST SC LC FC

When working with fiber optic technology, you'll frequently encounter terms like SC UPC, LC UPC, SC

May 05, 2026

FC | SC | ST | LC | MPO | Fiber Optic Connectors

FDDI stands for Fiber Distributed Data Interface, and it actually refers to a local area network standard such as Ethernet or Token

Nov 30, 2025

SC To FC Fiber Patch Cord With Singlemode Cable - Topfiberbox

This SC To FC fiber patch cord is a single mode cable with SC and FC connector on each end. Fiber patch cable is commonly used

Dec 26, 2025

Understanding Fiber Connector Types ST SC LC FC with UDP or

Understanding fiber connector types—SC/APC, SC/PC, LC/UPC, LC/APC, ST/PC, FC/PC, and FC/APC—is essential for selecting

Sep 03, 2025

Optical Fiber Connectors Explained: FC, SC, ST, and

Optical Fiber Connectors Explained: FC, SC, ST, and LC Optical fiber connectors are the

Sep 09, 2025

SC (M)-FC (F) Hybrid Adapter

Variable SC interface conversion FC interface. Provided a simple and reliable solution for connecting two different optic fiber

Feb 28, 2026

Understanding Interfaces on an FCoE-FC Gateway

When you enable BB_SC_N on the interfaces on both ends of an FC link, the interfaces exchange buffer-to-buffer

Oct 02, 2025

Differences between ST, SC, FC, LC fiber optic connectors

ST, SC, FC fiber optic connectors are the standards developed by different companies in the

Feb 27, 2026

Storage Networking 101: Understanding Fibre Channel

They are: FC-0: The interface to the physical media; cables, etc FC-1: Transmission protocol or data-link layer, encodes and

Contact Us

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

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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

