

# Which fiber optic interface is FC

## Article Overview

The FC (Ferrule Connector) is a threaded fiber-optic connector designed for high-precision, high-vibration environments, commonly used with single-mode and polarization-maintaining fibers.

### Overview

The FC connector is a fiber-optic interface with a cylindrical threaded body that ensures a secure connection by screwing the connector into its receptacle, preventing rotation and maintaining precise alignment of the fiber cores. The fiber end is embedded in a 2.5 mm ferrule, typically made of zirconia ceramic or stainless steel, and polished to a physical contact (PC) finish, which allows the fiber cores to touch directly, minimizing insertion loss and back-reflection. The name "FC" stands for Ferrule Connector or Fiber Channel, and it was originally called a "Field Assembly Connector".

### Structure and Fastening

The FC connector features a metal sleeve for reinforcement and uses a screw-thread fastening mechanism, making it highly stable in environments with vibration or movement. A key mechanism prevents the fiber from rotating during mating, which is critical for maintaining signal integrity, especially in single-mode or polarization-maintaining fibers.

### Applications...



## Article Content

Jul 27, 2025

Detailed Explanation of FC, ST, SC, and LC Fiber-Optic Interfaces

It is an optical fiber connector that can be configured as duplex, triplex, or quadruplex, and is widely used in local area

Nov 17, 2025

Differences Between ST, SC, FC, and LC Fiber

Learn the differences between ST, SC, FC, and LC fiber connectors. Explore connector

Jan 25, 2026

Fiber Optic Connector Types Explained | FiberCablesDirect

Make sure you're choosing the correct fiber optic connector for peak performance. Learn more about fiber connector types in our guide.

Mar 25, 2026

Fiber Optic Connector Types: A Beginners Guide

The fiber connector types, sometimes referred to as terminations, link fiber optic cables together through terminals,

May 14, 2026

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

Apr 11, 2026

What is Fibre Channel? History, layers, components and design

Fibre Channel devices can be as far as 10 kilometers apart -- approximately six miles -- if multimodal optical fiber is

Oct 16, 2025

How to Identify Various Fiber Interface Types

The optical fiber connector (1) FC connector: The external reinforcement method is a metal

Aug 30, 2025

## 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 20, 2026

## A Breakdown of Fiber Optic Patch Connectors and Their Applications

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

Jun 30, 2026

## How Many Fiber Connector Types Do You Know?

"FC" refers to the Ferrule Connector. FC fiber optic connector was the first optical fiber connector to use a ceramic

Jun 11, 2026

## Understanding Fiber Connector Types ST SC LC FC with UDP or

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

Jul 31, 2025

## FC connector

The FC connector is a fiber-optic connector with a threaded body, which was designed for use in high

Jun 13, 2026

## Fiber Optic Connector Types and Specification SC LC FC DIN MPO ...

Fiber optic connector enables quicker connection and disconnection than splicing. The connectors mechanically

Jul 20, 2026

## Fibre Channel Protocol

Fibre Channel Protocol (FCP) is the SCSI interface protocol utilising an underlying Fibre Channel connection. The Fibre Channel

Jul 03, 2026

## Several types of fiber optic interfaces

MPO/MTP interfaces usually have a rectangular housing with multiple fiber optic pins inside. The MPO/MTP interface is suitable for

Jun 21, 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

Jul 24, 2026

### Comprehensive Guide to Fiber Connector Types: LC, SC, ST, FC,

From fiber optic cable connectors used in data centers to optical fiber termination types for harsh industrial

Jun 14, 2026

### Fiber Optic Connector Types - The Ultimate Guide

You'll learn how to visually identify these fiber optic connector types by size and latch style, compare their performance

Oct 07, 2025

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

Fiber Connector Types - LC The LC fiber connector, adopting a modular jack latch

Feb 03, 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

Apr 17, 2026

### Connector Types in Fiber Cabling: Comparison of SC,

Among different fiber optic connectors, the four most common types are SC, LC, ST, and

Dec 22, 2025

### SC vs LC vs FC vs ST Connectors Explained

Technical comparison of SC, LC, FC and ST fiber connectors including structure, ferrule

Feb 22, 2026

### Fiber Optic vs Ethernet Port Differences: Connectors

Learn key differences between fiber optic connectors (SC, ST, SFP+) and Ethernet ports. Fiber supports

Dec 04, 2025

FC Connector Explained

The FC Connector offers a durable, threaded design for secure fiber optic connections. It is cost-effective and

Sep 10, 2025

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

Mar 19, 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

Oct 03, 2025

Fiber Connector Types: A Comprehensive Guide 2025

As global demand for high-speed internet, cloud computing, and data center capacity continues to grow in 2025,

Oct 16, 2025

The Ultimate Guide to FC Connector: Everything You

The FC connector is one of the most significant in fiber optic communications. The FC

Aug 21, 2025

Detailed Explanation of FC, ST, SC, and LC Fiber-Optic Interfaces

What are the classifications of optical fiber patch Cables? 4.1 AcCableing to different optical fiber connectors, common

## Contact Us

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

Website: <https://www.iiss.co.za>

Email: [sales@iiss.co.za](mailto:sales@iiss.co.za)

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,  
2196, South Africa

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

