

FC Fiber Optic Connector



Overview

The FC connector is a fiber-optic connector with a threaded body, which was designed for use in high-vibration environments. It is commonly used with both single-mode optical fiber and polarization-maintaining optical fiber. FC connectors are used in datacom, telecommunications, measurement equipment, and single-mode lasers. They are becoming less common, displaced by SC and LC connectors. The fiber end is embedded in a 2.5 mm ferrule made of ceramic or glass. The tip is then typically polished to produce a rounded surface, called "physical contact" polish. This surface profile means that when two FC connectors are mated, their floating ferrules provide good mechanical isolation. FC connectors need to be mated more carefully than push-pull type connectors due to the need to align the key, and due to the risk of scratching the ferrule.



Article Content

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Amazon : Visual Fault Locator

Equip your fiber optic toolkit with a reliable visual fault locator. Find options with long-range detection, universal connectivity, and portable designs.

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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 panels, and network hardware. They directly affect insertion loss, return

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Differences Between ST, SC, FC, and LC Fiber

What are Fiber Optic Connectors? A fiber optic connector is a mechanical device that allows two fibers to be joined precisely, enabling light to

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SFP Fiber Optic Connector Types: LC, SC, MPO Explained

SFP fiber optic connector types determine physical compatibility and cabling efficiency, not optical performance. In modern networks, LC connectors are the standard choice for SFP modules due to

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

The following guide systematically describes each connector type to help you make an informed selection for the connector that best suits your fibre-optic networking system.

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Fiber Optic Connector, FC/UPC, SC, ST, LC, FC/UPC

Amazon : Fiber Optic Connector, FC/UPC, SC, ST, LC, FC/UPC-LC/UPC, SC/UPC-/APC Interchangeable Optical Fiber Connector, 6 Styles for Adapters

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Hybrid Duplex Fiber Optic Adapter with Ceramic Sleeve and Low

It use to connect the SC/UPC fiber optic patch cable and FC/UPC fiber optic adapter. With hight quality of ceramic sleeve, it can keep 0.2dB if insertion loss in 1000 times of mating.

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VIAVI FCLT Series FC Connector Patchcord Cleaning Tip for

The FCLT-FC-CF-MA Cleaning Tip removes contamination from FC patchcord connector endfaces when used with CleanBlast™ Fiber Optic Cleaners.

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3M 6200 Hot Melt FC Multimode Fiber Optic Connector, Clearance

3M 6200 Hot Melt FC Multimode Fiber Optic Connector, Clearance Pricing. Get fast delivery when you order online at GlobalTestSupply . In stock, fast shipping!

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48-Port Fibre Optic Patch Panel SC FC LC Pigtail ODF 2U Fibre

48 Port Fiber Optic Patch Panel SC FC LC Pigtail ODF 2U Fiber Optic Terminal Box Fiber Distribution Frame Product Name Connection box for optical fibres. Connector SC/FC/LC/ST Product model FTB

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Fiber Optic Patch Cables for Sale | Cables on Demand

Fiber Optic Patch Cables Buy Amphenol Fiber Optic Patch Cables Factory-Direct from Cables on Demand! With 4 decades of fiber optic interconnect

Jun 16, 2026

Amazon : Otdr

8in1 OTDR Multifunction OTDR Fiber Optic Tester, Handheld Optical Power Meter 1310/1550nm SM Mini Fiber Optic Analyzer 24/22 dB with OPM/OLS/VFL/RJ45

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Fiber Optic Connectors | Products | Amphenol

AFSI's line of 109 series hermaphroditic connectors offers the ultimate in flexibility and is a direct replacement for the TAC4. The 109 connector line meets or

May 10, 2026

FC Connector | Precision Fiber Optic with ACA

The FC connector delivers stable, low-loss fiber connections using threaded coupling and Diamond's Active Core Alignment - ideal for telecom, industrial, and high

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Amazon : Fiber Optic Light Source

Optical Fiber Power Meter Komshine KPM-35 with 7 Wavelengths -70~+10dB +
Singlemode Multimode Fiber Light Source Komshine KLS-35-MS
850/1300nm+1310/1550nm (Self Calibration) Add to cart

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Multimode Fiber Optic Patch Cables

Thorlabs offers a variety of step-index and graded-index multimode fiber optic patch cables with standard FC/PC or SMA connectors, including square-core fiber. AR-coated and uncoated fluoride

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FC Connector, FC Adapter, FC Coupler / Fiberwe Technologies Co., Ltd.

Fiber Optic Components FC Connector FC Adapter FC Coupler The FC Connectors and Adapters are considered to be old-line products and are widely used all over the world. These connectors are

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2x2A Fiber Optical Switches Passive Mechanical With SC FC LC ST Connector

2x2A Mechanical Optic Switch Description GEZHI Photonics" 2×2 A type Mechanical Fiber Optic Switch (2X2A Optical Switch) support all wavelength at 1260nm~1650nm or 850nm Multimode wavelength,

Feb 25, 2026

1525-1570nm MEMS Variable Optical Attenuator with FC/UPC Connector

1525-1570nm MEMS Variable Optical Attenuator Single Channel Standard FC/UPC The MEMS Variable Optical Attenuator is based on Micro-Electro-Mechanical System technology. These MM series

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50Pcs FC Single-Mode Cold Splice Optical Fiber Cable Splice Connector ...

50Pcs FC Single-Mode Cold Splice Optical Fiber Cable Splice Connector Pre-Buried Fiber Optic Quick Connector Description 1. The scaled product technology is mature and exquisite, and the supply is

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FC Connector Explained

Developed by NTT (Nippon Telegraph and Telephone) in the late 1970s as the "Field-Assembly Connector," FC Connectors were the first to feature

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FC Fiber Connector — Specs, Polish Types & Uses | CZT

The FC connector is a mature, reliable single-mode fiber connector with a threaded screw-lock coupling that provides excellent vibration resistance and consistent angular alignment.

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Optical Fiber UAV Drones: History & Future Trends

A comprehensive guide to fiber optic connector components, explaining the structure, characteristics, and applications of LC, SC, ST, FC, MPO/MTP, and more. In modern optical

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Customized Polarization Maintaining Patch Cord – FC, LC, MPO

This high-performance Polarization Maintaining (PM) Fiber Patch Cord is engineered for precision-critical optical systems. Using Panda-type PM fibers and carefully aligned connectors, it

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FC High-Performance Connectors | Amphenol-Fiber

Amphenol's FC connectors effectively terminate optical fiber in a variety of network applications. The connector is secured using a threaded coupling nut, providing a

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PLC Splitter Fiber Optic Connector SC/LC/FC/ST APC UPC PC Type

Upc/APC 1*5 PLC Fiber Optic Splitter for FTTH Equipment -50-85 Degree Centigrade High Quality 1x5 fiber optic PLC splitter SC UPC/APC connector splitter 1*5 PLC For FTTH equipment Products

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VIAVI FCLT FC Connector Bulkhead Cleaning Tip for CleanBlast™

The FCLT-FC-CF Cleaning Tip removes contamination from FC connector endfaces when used with CleanBlast™ Fiber Optic Cleaners. Shop now.

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500m POF Duplex Cable Reel for Industrial Optical Links

The FC-500-0DB POF duplex cable is a bulk 500 m reel of plastic optical fibre designed for engineers who need reliable optical links in noisy or sensitive environments.

Contact Us

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