

FC Single-mode Four-core Fiber Optic Connector



Overview

The FC connector by DIAMOND SA is a robust, high-precision fiber optic solution with threaded coupling and ACA technology for low-loss, vibration-resistant connections. Supports SM, MM, PM, and SOC variants. Thorlabs stocks an extensive selection of single mode fiber optic connectors, available for immediate shipping. Choose from FC/PC, FC/APC, ST/PC, LC/PC, E-2000/PC, SC/PC, or SC/APC style connectors with ceramic ferrules. We also offer individual ceramic or stainless steel ferrules. By checking this box I confirm that I have read the Privacy Policy. * The FC connector from DIAMOND SA is a. FC Connectors, also known as Ferrule Core Connectors, are often referred to by various names like "Fiber Channel" or "Frank Charlie" in the industry. Developed by NTT (Nippon Telegraph and Telephone) in the late 1970s as the "Field-Assembly Connector," FC Connectors were the first to feature a. JIS, IEC standard compliant and intermateability test certified. Comply with IEC 61754-13 and JIS C 5970(type F01). FC intermate test by NTT certified connector. Available with PC polishing, advanced PC(AdPC) polishing and Angled PC(APC) polishing. Satisfies flammability rating UL94V-0. Fiber optics are used for a variety of applications in the photonics industry.



Article Content

Nov 28, 2025

1~30dB FC/UPC/APC Type Variable Fiber Optic Attenuator for

1~30dB Single Mode Attenuator FC/UPC/APC Type 1260 To 1620nm Wavelength
1~30dB FC/UPC/APC Type 1260 to 1620nm Wavelength Singlemode Attenuators
Variable Fiber Optic Attenuator Product

Sep 11, 2025

FC – Single Mode Connector – Pranav TechOne

Connectors for Fiber Optic applications being offered are single-mode, multi-mode cable, and a choice of cable diameter as well as ferrule hole diameters. The

Mar 20, 2026

Fiber-optic cable

A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but containing one or more optical fibers that are used to carry

Dec 03, 2025

Tech Note 20 Fiber Preparation and Fiber Connectors

The FC has become the connector of choice for single-mode fibers and is mainly used in fiber-optic instruments, SM fiber optic components, and in high-speed fiber optic communication links.

May 28, 2026

Search results for "fiber optic connector single-mode dual-core"

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,

Feb 06, 2026

8 Core Single Mode Fiber Optic Cable for Outdoor Access and

Source 8 core single mode fiber optic cable by cable structure, jacket, tensile strength, attenuation report, and reel length.

Aug 30, 2025

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

Jan 26, 2026

Fiber Optic Patch Cord

Find here Fiber Optic Patch Cord, Fiber Cable manufacturers, suppliers & exporters in India. Get contact details & address of companies

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fiber optic LC to FC Single Mode 20dB Attenuator Networks

Features: Design flexibility with various connector style choices and with various attenuation level Excellent optical performance Variety of fixed attenuation level.1 to 16dB (in 1 dB

Oct 06, 2025

Compact Single Mode LC Fiber Optic Connector 0.9mm for FTTH

Optical Connector is a reusable passive component which could be applied in fiber and Cable connection. They are widely used in ODF, ODN,PON etc gate develop molds and produce various

Feb 22, 2026

Fiber Connector Types: A Complete Guide (2024)

It is a precise coupling device that joins fiber optic cables quickly, enabling faster connection and disconnection than splicing. The connector

Apr 20, 2026

LC Vs SC Vs FC Vs MPO Fiber Optic Connectors:

By understanding the differences between single-mode and multimode fiber optic connectors, you can make an informed decision that best suits your

Jul 31, 2025

Indoor / Outdoor Armored Anti-Rodent patch cord

We are a Indoor / Outdoor Armored Anti-Rodent patch cord LC/SC/FC/ST Duplex Single mode Fiber Optic Cable Patch Cord Manufacturer. We supply fiber optic

Nov 03, 2025

FC Type Fiber Optic Connectors

JIS, IEC standard compliant and intermateability test certified. Comply with IEC 61754-13 and JIS C 5970(type F01). FC intermate test by NTT certified connector. Available with PC polishing, advanced

Sep 09, 2025

FC connector

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 FC connector h

Oct 07, 2025

Polarization-Maintaining Single Mode Optical Fiber

Thorlabs offers both PANDA and Bow-Tie Single Mode Polarization-Maintaining (PM) fiber. These two fibers are named based on the stress rods used. Stress rods run

Aug 14, 2025

FC/UPC Single Mode Fiber Attenuator Fixed Male Female with High ...

FC/UPC single-mode fixed fiber attenuator (male-female) with zirconia ceramic ferrule. Offers 1-25dB attenuation, ± 0.5 dB accuracy, ≥ 55 dB return loss, and operates in $-40 \sim 85^{\circ}\text{C}$. Ideal for optical power

Jun 13, 2026

Single-Mode Fiber Cable Guide: Types, Specs & Selection

What Is Single-Mode Fiber Optic Cable? Single-mode fiber optic cable (SMF) is a type of optical fiber designed to carry a single ray of light mode directly down the fiber core.

Feb 21, 2026

FC connector

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

Jul 10, 2025

FC Connector Explained

The FC Connector pioneered low loss (below 0.5dB) for single-mode fibers without active alignment by utilizing a floating split sleeve in the adapter.

Aug 23, 2025

Fiber Optic Pigtail SC/FC/LC/SC APC/UPC Single-Mode Beam-Type

Type Fiber optic cable Number of Conductors ≥ 10 Conductor Material Glass Fiber
Type Fiber optic cable Conductor Type Stranded Model Number SC/FC/LC/SC-
APC/UPC-12C Place of Origin

Sep 15, 2025

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

Aug 26, 2025

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

Nov 13, 2025

FC Connectors

We offer a variety of FC fiber optic connectors to accommodate both single-mode
fibers and large-core multimode optical fibers. The FC is a keyed connector with a
2.5mm ferrule and utilizes a threaded

Apr 03, 2026

ODM SC UPC Fiber Optic Connector with 0.9mm Cable Single Mode

Each fiber optic connector is functionally tested before shipping. Features SC 0.9mm
Simplex Fiber Optic Connector Kit 1. Environmentally friendly materials: aluminum
and plastic 2. Series:SC,LC, FC,

Sep 29, 2025

4 Core Single Mode Fiber Optic Cable Price with

When evaluating the 4 core single mode fiber optic cable price, buyers should
consider not just the upfront cost but also the total cost of

Dec 05, 2025

Single Mode vs. Multimode Fiber Optic Cables

There are two main types of fiber optic cables: single mode and multimode. Although
they can do the same job in some instances, the different

Dec 13, 2025

1x16 Single Mode Fiber Optic Splitters

1x16 Single Mode Fiber Optic Splitters 1310 / 1550 nm Dual-Window Planar Splitters
Split Input Evenly into 16 Ports 2.0 mm Narrow Key FC/PC or FC/APC Connectors

May 09, 2026

Single Mode Fiber Optic Connectors

Thorlabs stocks an extensive selection of single mode fiber optic connectors, available for immediate shipping. Choose from FC/PC, FC/APC, ST/PC, LC/PC, E-2000/PC, SC/PC, or SC/APC style

Feb 12, 2026

Fiber Optic Adapter Guide: Types, Tips & Solutions

What Is a Fiber Optic Adapter? A fiber optic adapter (or fiber coupler) is a passive component used to join and align two optical connectors. It plays a key

May 14, 2026

Fiber Patchcord | Single Mode & Multimode Fiber Patch

Fiber Patch Cords are used to connect optical network equipment, patch panels, and fiber distribution systems across data center, telecom, and enterprise

Contact Us

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