

Fiber optic patch cord pigtail FC-SC



AI Overview

An FC fiber optic pigtail patch cord is a single-mode or multimode fiber cable terminated with FC connectors, designed for high-precision, high-vibration environments and used to connect devices to fiber infrastructure.

Definition and Purpose

An FC (Fixed Connection) fiber optic patch cord is a fiber cable with FC connectors on one or both ends, typically used in single-mode applications and test environments. FC connectors feature a threaded barrel housing, providing a secure connection that resists vibration, making them ideal for telecom, LAN, and high-precision optical setups. A pigtail is a short fiber segment with a connector on one end, intended for fusion splicing to a longer fiber cable inside an optical distribution frame (ODF) or enclosure, creating a permanent interface for patching .

Construction and Specifications

- Cable diameters: Common options include 0.9mm, 2.0mm, and 3.0mm .
- Connector types: FC/PC, FC/APC, or other polishing types depending on application. APC connectors reduce return loss by 10–20 dB compared to UPC, which is critical for analog video, DWDM, and GPON networks .
- Ferrule material: Zirconia ceramic is standard, with stainless steel for industrial use and plastic for economy options .
- Standards compliance: Typically compliant with Telcordia GR-326-Core, TIA/EIA, and IEC 61300 for insertion loss and return loss testing .
- Performance: High-quality FC patch cords and pigtails are tested for insertion loss...

Article Content

May 14, 2026

Fiber Optic Patchcords and Pigtails |

All our products are 100% tested and produced with well-polished fiber optic cables, guaranteeing quality assurance. We offer

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Fiber-optic patch cord

A fiber-optic patch cord is a fiber-optic cable capped at each end with connectors that allow it to be rapidly and conveniently

Feb 13, 2026

Sc LC FC Type APC/Upc Fiber Optical Patch Cord

A fiber optic patch cord is a fiber optic cable that has connectors at both ends that allow it to be quickly and easily

May 06, 2026

Fiber Optic Patch Cords and Pigtails | Leviton Network

Multimode and single-mode cords are available in SC, ST, LC, or hybrid options. Use OPT-X™ Unity Array

Dec 16, 2025

Fiber Optic Patch Cord

Fiber optic patch cord is available in both singlemode and multimode versions. Both singlemode and

Feb 27, 2026

Fiber Optic Pigtails for Sale

FS fiber optic pigtails offer a fast way to make fiber optic communication devices in the field by fiber splicing, fully manufactured and

Nov 25, 2025

Fiber Optic Patch Cord

SC/FC/ST/Lc Simplex SM Optical Patch Cords Compared to OM1/OM2, OM3, OM4 and OM5 optical fibers are suitable for high

Jan 24, 2026

Opti-Core Fiber Optic Patch Cords and Pigtails LC/APC and SC/APC

Fiber optic patch cords and pigtails provide interconnect and cross-connect of applications over installations in entrance facilities,

Nov 03, 2025

Pigtail Assemblies for Patch and Splice Panels | AFL

AFL's pigtail assemblies are available with LC, SC, FC, and ST connectors. These cables utilize 900 μm

May 06, 2026

Fiber Optic Patch Cord and Pigtail

Fiber Optic Patch Cord/Fiber Jumper and Fiber Optic Pigtail are mainly used for providing connectivity between fiber

Dec 12, 2025

Fiber Pigtail | Fiber Jumper | FC/SC/LC/ Pigtail | LongXing

The LongXing brand of fiber cable assemblies are designed and manufactured in LongXing's ISO9001 registered facility. The product

Oct 17, 2025

Patch Cables

Products Patch Cables T& S fiber optic patch cords provide reliable, high-performance connectivity across a wide range of network

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Fiber Patch Cords & Pigtails: LC, SC, OS2/OM4

Explore the options below to find the right optical fiber patch cord or pigtail for your connector interface,

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Fibre Optic Pigtails | ST | SC | LC | FC | OM1 | OM2 | OM3 | OS1

FC/PC - XX Multimode Optic Fibre Patch cord 62.5 μ OM1 2.8mm Simplex 3m. If you require pricing for an unlisted length or our

Sep 23, 2025

Fiber Optic Pigtail: What Is It and How to Classify It?

Like fiber optic patch cords, fiber optic pigtails can be divided into UPC and APC versions. Most commonly used

Oct 30, 2025

Fiber Optic Pigtails | SC, LC, ST Single Mode & Multimode

Find high-quality fiber optic pigtails for reliable network termination. We offer a full range of single mode

Sep 26, 2025

Fiber Patch Cord & Pigtail: Types, Specifications & Selection | Opelink

A fiber patch cord has connectors on both ends, used to connect active equipment (switches, routers, ONTs) or to

Oct 29, 2025

Fiber Optic Patch Cords & Pigtails Selection Guide

Learn how to pick the right fiber optic patch cord or pigtail. Avoid installation errors. Based

Aug 22, 2025

Single-mode & Multimode Fiber Pigtails

Fiber optic pigtails are critical components of large-scale fiber optic networks. Unlike fiber jumper cables,

Nov 28, 2025

Fiber Optic Patch Cords

Our fiber optic patch cords and pigtails are designed for low insertion loss and high return loss, making them ideal for communication

Jun 23, 2026

3M Fiber Optic Patch Cords and Pigtails

3MTM Fiber Optic Patch Cords and Pigtails 3MTM Patch Cords provide the interface between distribution cables and active optical

Oct 19, 2025

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.

May 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

Apr 22, 2026

Fiber Patch Cords | LC/SC/FC/ST & MTP/MPO | Single-mode

Reliable fiber patch cords and pigtailed for data centers and FTTH. LC/SC/FC/ST and MTP/MPO, UPC/APC polish, OM3/OM4/OM5 &

Apr 18, 2026

Core Patch Cords and Pigtailed Ordering Guide

Core Patch Cords and Pigtailed Cable assemblies are a basic component for all network infrastructure projects. Corning's

Oct 05, 2025

Opti-Core® Fiber Optic Patch Cords and Pigtailed LC/APC and SC/APC

The Opti-Core® LC/APC and SC/APC patch cords support singlemode network applications in main, horizontal and equipment

Oct 26, 2025

FC-FC Singlemode1-Fiber Optical Fiber Patch Cord

FC-FC Single-Mode Fiber Optic Patch Cord The fc fiber optic patch cord built for engineers who refuse to

Apr 08, 2026

What is Fiber Pigtail? A Complete Guide for Beginners

Fiber optic pigtailed are mainly for fast fusion splicing applications, while patch cords are for

Jan 28, 2026

Fiber Optic Pigtailed, SC, FC, ST, and LC Fiber Connectors

The Fiber Optic Pigtail can be fitted with either male or female connectors on the end opposite of the pre

Mar 05, 2026

Fiber Optic Pigtailed | Fibertronics, Inc.

Fibertronics, Inc. offers a range of competitively priced fiber optic pigtailed. Our selection includes three main fiber variants: 9/125um

Contact Us

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