

Fiber optic patch cord FC-SC dual core



AI Overview

A dual-core SC to FC fiber optic patch cord is available in single-mode or multimode versions, designed for reliable optical signal transmission between network devices. Overview A dual-core SC to FC patch cord is a fiber optic cable with two optical fibers inside, terminated with an SC connector on one end and an FC connector on the other. These patch cords are used to connect optical network equipment, patch panels, and fiber distribution systems in data centers, telecom networks, and enterprise environments. They are also referred to as fiber jumpers or fiber patch cables.

Fiber Types

- Single-mode (SM):** Typically 9/125 μm core, suitable for long-distance, high-bandwidth applications such as telecommunications, FTTH, and long-haul networks.
- Multimode (MM):** Commonly 50/125 μm or 62.5/125 μm core, ideal for short to medium distances like data centers and campus networks. Available in OM1, OM2, OM3, OM4, and OM5 types for higher bandwidth requirements.

Connector and Polish Options

- SC Connector:** Push-pull type, widely used for its ease of installation.
- FC Connector:** Screw-on type, providing secure connections in high-vibration environments.
- Polish Types:** PC (Physical Contact), UPC (Ultra Physical Contact), APC (Angled Physical Contact) to reduce back reflection and insertion loss.

Cable Specifications

- Jacket Diameter:** Typically 0.9mm, 1.8mm, 2mm, or 3mm.
- Jacket Types:** LSZH, Plenum, or Rizer rated for indoor/outdoor use.
- Lengths:** Commonly 1m, 2m, 3m, 5m, or custom lengths.
- Performance:** Low insertion loss, high return loss, and reliable signal transmission.

Applications

- Connecting switches, routers, and optical transceivers.
- Linking patch panels and distribution frames.
- Suitable for FTTH, enterprise networks, and telecom systems.

Dual-core design allows simultaneous bidirectional communication or redundancy in optical links.

Summary

A dual-core SC to FC fiber optic patch cord provides a versatile, high-performance solution for connecting optical devices. Choosing the right fiber type, connector polish, and cabl...

Article Content

The 28 Best Fiber Optic Connectors of 2026

We recommends Top-Rated Fiber Optic Connectors Deals You Can Buy Online for July 2026 on Amazon, As Tested by CherryPicks Editors and

Optical Duplex Patchcords with various types of

Optical Duplex patch cords with various types of connectors (ST, LC, SC) available in single-mode or multi-mode fibre version

Value pick: yizhou fiber optic patch cords – lightning-fast data ...

Core performance, making every 1.0inch an advantage Ship/yizhou lc/sc/fc/st fiber optic pigtail s813 single-core single-mode os2 and multi-mode s817-om3, with a wire diameter of 2.0mm

All Kinds of Fiber Optic Patch Cords – SC, LC, FC, ST Explained

Learn about SC, LC, FC, and ST fiber optic patch cords, their uses in FTTH, telecom, and data centers, and how to choose the right type.

Outdoor armored optical fiber, SC-SC/FC/LC Single Mode 2 cores

Outdoor armored optical fiber, SC-SC/FC/LC Single Mode 2 cores, steel wire armoured pigtail cable jump patch cord, 20m to 50m (SC-SC 35m)

FC Fibre Patch Leads | Fibre Optic Cable

We have a large selection of FC-FC, FC-SC, FC-ST, FC-MU, FC-MTRJ, FC-E2000 and FC-LC optical patch cords. Available in a wide range of lengths. Use the filters on the left of the page to find the

Fiber Patch Cords: Types and How to Choose the Right

This comprehensive guide breaks down everything you need to know about fiber patch cords: from their core definition and key types to expert

POF and Large-Core Silica Cable Assemblies | Industrial Fiber Optics

We offer a comprehensive portfolio of patch cords and cables made from plastic optical fiber (POF) and large-core step-index Hard Clad Silica (HCS) silica fiber.

SC/LC/FC/ST-UPC Low Loss Single-Mode G657A2 Single/Dual Core Fiber ...

SC/LC/FC/ST-UPC Low Loss Single-Mode G657A2 Single/Dual Core Fiber Optic Patch Cord Flame Resistant LSZH Jacket

Fiber Optic Patch Cord

Fiber optic patch cord is available in both singlemode and multimode versions. Both singlemode and multimode versions fiber optic patch cord come with a zirconia ceramic ferrule with pre-polished PC,

24F MPO to FC Fiber Patch Cord 12 Core OM3 Multimode Low Loss

Type Fiber optic patch cord Connector Type MPO MTP A/B/C Polarity UPC Power Source Passive, No Power Needed Use IDC Data Center, 400G Switch Interconnection, FTTH Network 40G/100G/400G

Fiber Optic Patch Cord

Duplex fiber patch cables are constructed with two separate fiber cores and dual connectors at both ends, enabling simultaneous data transmission and reception.

Single Mode Dual Core SC-FC Fiber Optic Patch Cord

Featuring excellent reliability, superior adaptability, and improved security, fiber patch cord has ranked the best choice for applications where conventional copper cables fail to reach.

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

The Opti-Core® LC/APC and SC/APC patch cords support singlemode network applications in main, horizontal and equipment distribution areas and are available in riser (OFNR) and low smoke zero

Imorecable

This OS2 fiber patch patch cable is ideal for connecting 1G/10G/25G/40G/100G/400G Ethernet connections is best suited for long distance application and can transport data for up to 10km at

single-mod-fiber-kablo Manufacturer/Producer

All suppliers for single-mod-fiber-kablo Manufacturer/Producer Find wholesalers and contact them directly B2B marketplace Find companies now!

Optical Distribution Frame (ODF): What It Is, How It Works, and Why It ...

Patch Cords: Pre-terminated cables (e.g., LC-LC, SC-FC) that connect devices (switches, transceivers) to the ODF. Pigtails: Short, single-fiber cables with one pre-terminated end

Simplex vs Duplex Fiber Optic Cables: Key Differences & Guide

Confused about simplex vs duplex fiber optic cables? Learn key differences, BiDi & WDM technology, FTTH vs data center use cases, and how to choose the right fiber.

Understanding Fiber Optic Pigtails: Types and

Avoid looping Fiber Optic Pigtailed during use to reduce signal attenuation during transmission. Optical modules must match the Fiber Optic

Products

04 DWDM Dual Fiber Mux/DeMux 10 variants available M Module, 100GHz, 1310 Port, Monitor

BYXGD Rack Mount Fiber Optic Terminal Box 4/8/12/24 Port SC/FC

Supporting SC/FC/ST/LC interfaces and available in multiple port configurations, it delivers impact resistance, easy installation, and long-term quality assurance for critical communication systems.□□

AMPCOM MPO Fiber Patch Cable: High-Density Interconnect for

An MPO (Multi-Fiber Push-On) fiber patch cable is a multi-fiber optical interconnect that terminates between 8 and 24 individual fiber strands inside a single compact connector ferrule —

FI-7000 FiberInspector Pro Fiber Optic Inspection

Further, mating contaminated fiber optic connectors can cause permanent damage as microscopic debris is crushed between end-faces in physical contact. Even

Value pick: yizhou fiber optic patch cords – lightning-fast data ...

Ship/yizhou lc/sc/fc/st fiber optic pigtail s813 single-core single-mode os2 and multi-mode s817-om3, with a wire diameter of 2.0mm and a moderate length of 1m, are very convenient for

Factory Supply MPO Fiber Patch Cords OM3 OM4 Multimode Glass

Customizable Specs Fiber core (8/12/20/24), connector gender (Male/Female), length 0.5m~200m, branch end LC/SC/FC/ST all available. High Density Space Saving Single MPO connector integrates

OEM MTP MPO Polarity Patch Cord Type a B C, MPO to LC

Customizable Specs Fiber core (8/12/20/24), connector gender (Male/Female), length 0.5m~200m, branch end LC/SC/FC/ST all available. High Density Space Saving Single MPO connector integrates

10000M multimode core fiber jumper Dual LC to LC FC ST SC Fiber Patch ...

Product Summary: WUKUBO 10000M multimode core fiber jumper Dual LC to LC FC ST SC Fiber Patch Cord Jumper Cable MM Duplex Multi Mode Optic for Network From WUKUBO

FC-SC Duplex Fiber Optic Patch Cord

High performance optical pigtails & patch cords are a defining factor in ensuring any network performs to the highest level. HNK offers an extensive range of optical pigtails for use in FTTX,

Contact Us

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

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