

What does SC-FC mean in fiber optic patch cord



Article Overview

SCFC refers to a fiber optic patch cord with an SC connector on one end and an FC connector on the other.

Meaning and Structure

In fiber optic terminology, patch cords are named according to the connectors at each end. SCFC indicates that one end uses an SC (Subscriber Connector or Square Connector) and the other end uses an FC (Ferrule Connector). The SC connector features a 2.5 mm ferrule with a push-pull latch mechanism, making it easy to insert and remove, commonly used in telecom, FTTH, and PON networks. The FC connector also uses a 2.5 mm ferrule but has a screw-on threaded coupling, providing high reliability and stability, especially in long-haul or vibration-prone environments.

Applications

SCFC patch cords are typically used when connecting devices or equipment that have different connector types on their ports. For example:

- Connecting an SC port on an optical network terminal (ONT) to an FC port on a telecom switch or ODF frame.
- Situations where high mechanical stability is required on one end (FC) while maintaining easy plug-and-play access on the other (SC).
- Common in telecom systems, data centers, and optical test setups where mixed c...

Article Content

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What is Difference Between SC and LC Patch Cord

1. What is SC LC Patch Cord? SC and LC patch cords are fiber optic cables that use in FTTH communication

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Optical fiber connector

An optical fiber connector is a device used to link optical fibers, facilitating the efficient transmission of light signals. An optical fiber

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

Of the more than a dozen types of fibre-optic connectors available, the four most commonly used today are LC, SC,

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Optical Fiber Termination Types Chart: SC, LC, FC, ST Comparison

In this guide, we break down the most common optical fiber termination types, including SC, LC, FC, and ST. We'll

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What Is Fiber Patch Cord? Singlemode/Multimode,LC SC FC,UPC Vs

This article systematically introduces fiber patch cord basics, optical specifications and full-range industry applications

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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

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Standard Fiber Patch Cable Datasheet

Standard Fiber Patch Cables Datasheet For High-speed data center network equipments connections Designed for data center,

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Fiber Patch Cord Connectors Demystified: LC vs SC vs ST vs FC

Not sure which fiber patch cord connector to use? Compare LC, SC, ST, and FC connectors by size, design,

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SC To FC Fiber Patch Cord With Singlemode Cable – Topfiberbox

The SC to FC fiber patch cord is available in single mode and multimode cable type, They also can feature other fiber optic

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LCFiberOpticPatchCordCables LC F

Description Fiber Optic Patch Cable also known as fiber patch cord cable,optical cable or fiber optic jumper. As an important

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Fiber Patch Cable Guide: SC vs LC vs FC Connector Types Explained

Compare SC, LC, and FC fiber optic connector types in this comprehensive patch cable guide. Learn the differences

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Fiber Connectors

The FC was the first optical fiber connector to use a ceramic ferrule, but unlike the plastic-bodied SC and

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Fiber Optic Patch Cord Types

Fiber Optic Patch Cable Types There are different types of fiber optic patch cord according

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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

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Fiber Patch Cable,FC UPC to SC UPC,Duplex,2F,OS2,Riser (OFNR),2.0mm Fiber patch cables provide interconnect and cross

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PATCH CORDS

1. Overview This specification applies to 3.0mm Single Mode simplex & duplex patch cords. SC, LC and FC connectors are optional

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Types of Fiber Connectors | LC, ST, SC | ShowMeCables

Find out the difference among fiber optic connector types LC, ST, SC including which is push-pull, which uses a

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Fiber Connector Types

However, the widely used types are about a dozen of fiber optic connectors, which can be divided into single-fiber,

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Fiber Patch Cable Buying Guide: From SC, LC, And FC Fiber Patch

The FC SC fiber patch cord is a popular choice for industrial and premium-class communication devices. The threaded

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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

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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

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Differences Between ST, SC, FC, and LC Fiber

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

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SC vs LC Patch Cords: Key Differences & Uses

Fiber optic patch cords are short-length cables (typically 1-10 meters) with connectors on both ends, used to link

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Fiber Optic Patch Cord Types: SC/LC/FC/ST Connectors, APC/UPC

Find high-quality fiber patch cords from Zion Communication – SC/LC/FC/ST types with APC/UPC polish, simplex/duplex styles, from

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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.

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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

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What is SC, ST, FC, LC fiber connectors?

The cost-effective design of SC makes it a popular choice with industries that frequently use fiber cables, such as

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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

Contact Us

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