

What size pins are used for LC FC and SC pigtails



Overview

The size of the pins and sleeves used by the LC connector is the same as that used by ordinary SC and FC, which is 1.25mm, so its size is only half of that of SC/FC. What is a Fiber Connector?

The optical fiber connector is a kind of detachable passive optical component used. Here are the five most widely used fiber connector types: 1. Known for its square shape and push-pull coupling, SC is widely used in FTTH (Fiber to the Home) deployments and data. They are small, often overlooked components, yet they are essential for ensuring high-speed, low-loss, and reliable optical transmission. As data centers, telecom networks, and enterprise infrastructures migrate to fiber, understanding connector types becomes critical for engineers, technicians. The primary function of a fibre optic connector is to facilitate the transmission of optical signals between optical fibres to the target device, thereby enabling high-speed, stable, and high-quality data transmission.



Article Content

Aug 14, 2025

Fiber Connector Types

Fiber connector types LC, SC, FC, ST, MTP, and MPO are widely used in past and present. What are the differences between them? Who is the most popular one? Find the answer in

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Fiber Connector Types • ST, FC, SC, LC, & MTP/MPO •

The LC connector uses a 1.2mm ferrule and has about half the footprint size of the other connectors we have reviewed. It does share the same non optical

May 21, 2026

LC Vs SC Vs FC Vs ST Vs MTP Vs MPO Fiber Connectors

The size of the pin and sleeve used in the LC connector is half the size of ordinary SC, FC, etc., which is 1.25mm. This can increase the density of

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Fiber Connector Types: Lc Vs Sc Vs St Vs Fc — Which

This comparison focuses squarely on the four most common field connectors — LC, SC, ST, and FC — so you can pick the right tool for a given port type, transceiver,

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SC vs LC vs FC vs ST Connectors Explained

Technical comparison of SC, LC, FC and ST fiber connectors including structure, ferrule design, coupling mechanism, and application use cases.

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Fiber Optic Connector Types: Full Comparison & Selection Guide

LC, SC, FC, ST, MPO/MTP compared: ferrule sizes, polishing types, insertion loss, and a decision flowchart to choose the right fiber connector for your application.

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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 types, PC/UPC/APC polish, single-mode vs multi-mode

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Fiber Connector Types Guide: Choosing Between LC,

A comprehensive guide to fiber connector types. Learn how LC, SC, ST, FC, and MPO connectors support modern optical networks with precision and

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Fiber Connector Types: A Comprehensive Guide 2025

Discover the common fiber connector types. Learn the differences, uses, and best practices for SC, LC, ST, FC, MPO/MTP connectors.

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Fiber Optic Connector Types: SC, LC, ST, FC, MTP/MPO | Weunion

Explore major fiber connector types (SC, LC, ST, FC, MTP/MPO) with Weunion. Learn applications, specs, and best practices for data centers & telecom. Contact for custom solutions.

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LC vs SC vs ST Fiber Connectors: Types, Differences, and Applications

LC connectors are smaller (1.25mm ferrule) and better suited for high-density environments. SC uses a larger 2.5mm ferrule and is easier to handle but takes more space.

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What Are The Different Types Of Fiber Optic

In optical fiber communication, there are many kinds of optical fiber ports. FC, SC, ST, and LC are commonly used. Fiber optic cables utilize a

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SC vs LC vs FC vs ST Connectors Explained

SC, LC, FC, and ST are the four most widely used connector interfaces in optical communication systems. Each connector differs in ferrule

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Types of Fiber Optic Connectors: LC, SC, ST, FC Explained

Learn about the main types of fiber optic connectors — LC, SC, ST, and FC — their specs, applications, and how to choose the right fiber connector type for your network.

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

Compare optical fiber termination types, including SC, LC, FC, and ST. View our chart and learn how to choose the right connector for your network.

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Fiber Optic Cable Assembly Guide | LC, SC & ST Connectors Explained

Learn how to select and test LC, SC, and ST connectors for reliable fiber optic cable assemblies. Includes polish types, OFC

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

Compare LC, SC, FC & ST fiber-optic connectors — size, coupling, and ideal use cases — to help you choose the best fit for your network setup.

May 28, 2026

LC vs SC vs ST Fiber Connectors: Types, Differences, and Applications

Understand the differences between LC, SC, and ST fiber connectors. Learn their use cases, specs, and how to choose the best one for your fiber optic network.

Mar 03, 2026

LC vs SC Fiber Connectors: Key Differences Explained

LC connectors are ideal due to their compact size and ability to support high-density patch panels. SC connectors are better for less dense

Sep 29, 2025

Fiber Connector Types: Lc Vs Sc Vs St Vs Fc — Which

Compare LC, SC, ST and FC fiber connectors by form factor, insertion loss, durability and best use cases. Clear guidance for data center, FTTH, industrial and telecom

Nov 06, 2025

Types of Fiber Connectors | LC, ST, SC

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

Dec 15, 2025

Differences Between ST, SC, FC, and LC Fiber

Among the most widely used connectors are ST, SC, FC, and LC, each with its own history, mechanical design, and best-fit applications. This article

Apr 28, 2026

Overview of SC, LC, ST, FC Connectors

There are various fibre ports used in fibre optical communication. Maybe SC, LC, ST and FC are the most common types of fibre connectors you

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LC, SC, and ST Connectors: What's the Difference?

Confused by fiber optic connectors? We break down the differences between LC, SC, and ST connectors, comparing their shapes, sizes, and best

Jan 20, 2026

LC vs SC Connectors: Which to Choose?

Fiber optic cables are a popular alternative to copper cables. They are often used with fiber connectors in network transmission. Are you familiar with fiber optic

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LC Vs SC Vs FC Vs MPO Fiber Optic Connectors:

Compare LC, SC, FC, ST, MPO & MTP fiber optic connectors with expert insights. Learn which connector fits your data center or enterprise network

Jan 27, 2026

LC-LC Fiber Optic Connectors: A Complete Guide with

LC-LC fiber optic connectors explained: features, benefits, comparisons, installation tips, FAQs and guidance on selecting the best cable for your network

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Fiber Optic Connector Types and Specification SC LC FC

Termination of older cables may be of several types including mechanical or fusion spliced pigtails. There are a number of connector styles on

Feb 03, 2026

Fiber Connector Types: A Complete Guide (2024)

SC Connector The SC (Standard Connector, Subscriber Connector) is a fiber optic connector released by NTT in the mid-1980s. It is a snap-on

Jun 18, 2026

Fiber Optic Connectors Guide: LC vs SC vs FC vs ST vs MTP/MPO –

Ferrule Size: The ceramic or metal “pin” that aligns fibers (e.g., 1.25mm for LC, 2.5mm for SC/FC/ST). Latching Mechanism: How connectors secure (e.g., push-pull for LC, bayonet for ST).

Contact Us

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