

LC connector for fiber optic cable

Ordering information

NO.	1	2	3	4
Model	F58M1	F58M2	F58M3	F58M4
Product name	Patch Panel	Patch Panel	Patch Panel	Patch Panel
Illustration				
NO.	1	2	3	4
Maximum number of cores	96	192	288	384
Product size (including front panel and adapter)	482.0*208.7*43.7mm	482.0*208.7*83.1mm	482.0*208.7*132.3mm	482.0*208.7*177.7mm
Standard color code	RAL9005	RAL9005	RAL9005	RAL9005

AI Overview

LC connectors are compact, high-performance fiber optic connectors widely used in telecommunications and data networks due to their small size and reliability.

Overview of LC Connectors

- **Definition:** LC stands for Lucent Connector, developed by Lucent Technologies in the 1990s. It is a small form factor (SFF) connector designed for high-density applications, making it ideal for data centers and telecommunications networks .
- **Design:** LC connectors feature a push-pull design with a latching mechanism, allowing for easy connection and disconnection. They have a ferrule diameter of 1.25mm, which is half the size of other common connectors like SC and FC .

Advantages of LC Connectors

- **Space Efficiency:** Their compact size allows for higher density in patch panels and network equipment, making them suitable for environments where space is limited .
- **Low Insertion Loss:** LC connectors typically exhibit low insertion loss (less than 0.5 dB), ensuring minimal signal degradation over long distances .
- **Versatility:** They are compatible with both single-mode and multimode fibers, making them versatile for various applications .

Applications

- **Telecommunications:** LC connectors are commonly used in telecom networks for connecting fiber optic cables to equipment .
- **Data Centers:** Their high-density design makes them a popular choice in data centers, where maximizing space is crucial .

Article Content

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

The following guide systematically describes each connector type to help you make an informed selection for the

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

LC Fiber Optics: A Comprehensive Guide - TURNSTONE CABLES

Get practical insights into LC fiber optics, connectors, patch cables, and transceivers with clear details, real examples,

LC Connector | FO Connector LC-Simplex, LC-Duplex

The LC is a small-form-factor connector system for fibre optic cabling in telecommunications systems, data centres and LANs. LC

Fiber Optic Connector Types Guide | LC, SC, MPO, ST & More

Fiber optic connector types explained: LC, SC, ST, MPO, MTP. Learn key differences for your network setup.

Fiber Connector Types: A Complete Guide (2024)

A fiber connector is a precise coupling device to join fiber cables quickly. This guide introduces LC, SC, FC, ST, MPO,

LC vs SC Fiber Connector - Key Differences Explained

Choosing the right optic fiber cable connectors can significantly impact your network's reliability and performance. Two

What is a LC Connector? | Connector and Cable

Meet the Connector: LC Connectors LC connectors are small form factor fiber optic connectors designed

Understanding LC Connectors: The Cornerstone of Fiber Optic Networks

LC connectors are a key component of modern fiber optic networks. Their combination of compact design, high

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

Fiber Optic Connectors Explained: Design, Types & Applications

Interconnect history, design, types, applications, polishing considerations and properties comparisons Since the 1980s,

Fiber Connector Types

ST optical fiber connectors for fiber optic are typically used in multimode datacom, however, it has also been replaced

Fiber Optic Connectors: Difference between LC and SC

There are many different fiber optic connectors. LC and SC are two of those connectors. These fiber optic connectos

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.

LC Fiber Optic Connectors

LC simplex and duplex connectors are used for equipment cross-connects or interconnects in backbone, horizontal and work area

LC Fiber Optics: A Comprehensive Guide

LC fiber connector products are robust optical solutions designed for telecom applications, encompassing LC fiber

Fiber Connectors

7. VSFF (Very Small Form Factor) Connectors The most recent significant development in fiber optic connectors are Very Small

Fiber Optic LC connector Definition and Types & User Guide

Premises distribution LC Connector Selection Guide To meet the needs of market, there are various types of LC

Fiber Connectors

Fiber Optic Cable Connectors are used to connect two runs of fiber optic cable. The most popular versions include, push-on Square

LC Fiber Optic Connectors | TE Connectivity

The Lucent connector, commonly known as the LC connector, is a small form factor type of fiber optic

Contact Us

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