

FC interface to LC interface



Article Overview

An FC to LC interface allows the connection of an FC (Ferrule Connector) fiber optic port to an LC (Lucent Connector) port using a conversion adapter, ensuring low-loss and reliable signal transmission.

Overview of FC and LC Connectors

FC connectors feature a round screw-type structure, providing secure connections for single-mode fibers, commonly used in telecom, datacom, and measurement equipment. They require careful alignment and screwing to avoid damaging the fiber end face, and they are gradually being replaced by faster push-pull connectors like LC and SC. LC connectors are smaller, with a 1.25mm ferrule, and use a push-pull mechanism for quick and easy connections. They are widely used in high-density applications such as data centers and optical transceivers due to their compact size and low insertion loss.

FC to LC Conversion

An FC to LC adapter or interface allows a device with an FC port to connect to a device with an LC port. These adapters are available in various configurations, such as FC male to LC female or FC female to LC male, and are compatible with both single-mode and multimode fibers.

Key Features of FC to LC Adapters

- Low insertion loss: Typically ≤ 0.3 dB, ensuring minimal signal degradation

Article Content

May 31, 2026

Optical Fiber Adapter FC Female to LC Male Conversion Simplex

FC Female to LC Male Conversion Optical Fiber Adapter adopt embedded optical fiber connector and optical fiber ferrule matching

Jan 22, 2026

LC Fiber Optics: A Comprehensive Guide

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

Mar 15, 2026

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.

Aug 10, 2025

Optical Fiber Connectors Explained: FC, SC, ST, and

Optical Fiber Connectors Explained: FC, SC, ST, and LC Optical fiber connectors are the

May 01, 2026

Optical fiber connector

They come in various types like SC, LC, ST, and MTP, each designed for specific applications. In all, about

Apr 16, 2026

Understanding Fiber Connector Types ST SC LC FC with UDP or

Understanding fiber connector types—SC/APC, SC/PC, LC/UPC, LC/APC, ST/PC, FC/PC, and FC/APC—is essential for selecting

Feb 08, 2026

LC Fiber Optics: A Comprehensive Guide

LC fiber optic solutions encompass a wide range of types and applications, including LC connectors, fiber patch cables,

May 02, 2026

FC to LC Adapter | Jonard Tools

Designed to convert the VFL-25 (or other similar VFLs) from FC to LC, this VFL Adapter is perfect for detecting faults in LC

Dec 28, 2025

Fiber Connectors

FC connectors are often used for single-mode fibers including polarization-maintaining fibers, but are

Dec 05, 2025

Common Fiber Connector Types in Optical Transceivers

Explore common fiber connector types like SC, LC, ST, FC, and MPO/MTP, their characteristics, and applications in

Dec 11, 2025

FC connector

The FC connector is a fiber-optic connector with a threaded body, which was designed for use in high-vibration environments. It is

Sep 07, 2025

Fiber Connector Types

The above article has comprehensively introduced the LC, SC, FC, ST, MTP, and MPO

May 23, 2026

Fiber Optic Connectors: Difference between LC and SC

Fiber optic connectors allow cables to interface with network devices, ensuring reliable signal transfer. They come in

Sep 22, 2025

Fiber Optic Adapter, FC to LC Adapter

Male FC (2.5mm) to Female LC (1.25mm) connector allows LC connections to interface with FC devices.

Nov 17, 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.

Sep 04, 2025

The difference between ST, SC, FC, LC fiber optic connectors

ST, SC, and FC fiber optic connectors are standards developed by different companies in the early days. They have the same effect

Nov 25, 2025

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

Often times when installing a fiber, you find yourself trying to select the most efficient fiber connector types

Aug 10, 2025

SFP Fiber Optic Connector Types: LC, SC, MPO Explained

Explore common SFP fiber optic connector types, including LC, SC, and MPO/MTP. Learn their differences, use cases, and

Jul 22, 2026

Several types of fiber optic interfaces

The ST interface has a unique appearance and is easy to identify, but it is relatively large and its use is gradually being replaced by

Dec 09, 2025

FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Jan 14, 2026

Fiber Connector Types: A Complete Guide (2024)

A fiber connector is a precise coupling device to join fiber cables quickly. This guide

Jan 07, 2026

Differences Between SC and LC Connectors | LC vs SC connector

While both SC SFP module and LC SFP module serve the same purpose of establishing a connection between the

Feb 03, 2026

Fibre Channel

FC-0 – physical layer, defined by Fibre Channel Physical Interfaces standard, includes cabling, connectors etc.; Fibre Channel

Jan 28, 2026

LC Fiber Optics: Complete Guide 2026 to Patch Cables,

This guide provides a fully updated and industry-ready overview of LC fiber optics,

Mar 06, 2026

Visual Fault Locaotr Adapter, FC Male to LC Female

This fc male to lc female adapter is a fiber-embedded adapter connector which is

Sep 20, 2025

Connector Types in Fiber Cabling: Comparison of SC,

This post describes four common connector types in fiber cabling, including SC, LC, ST,

May 12, 2026

LC Fiber Optics: A Comprehensive Guide

The LC interfaces on the front side can be connected with devices via LC patch cords and the MTP® interface at the

Dec 29, 2025

Differences Between ST, SC, FC, and LC Fiber

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

Contact Us

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

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

This document is for informational purposes only. Specifications subject to change without notice.

