

Fiber Optic Connector Interface Types

Article Overview

The most common fiber optic connector interfaces include SC, LC, ST, FC, and MPO/MTP, each designed for specific applications and performance requirements.

SC (Subscriber Connector)

The SC connector is a square-shaped connector with a push-pull coupling mechanism, widely used in FTTH deployments, data centers, and telecom networks. It typically features a 2.5 mm ferrule and is known for low insertion loss and high return loss, making it suitable for applications requiring stable optical performance, such as GPON and RF video networks . SC connectors are easy to install and remove without specialized tools.

LC (Lucent Connector)

The LC connector is a miniaturized version of the SC connector, with a 1.25 mm ferrule and a latch mechanism similar to an RJ45 plug. Its small form factor makes it ideal for high-density applications in modern data centers and patch panels. LC connectors support both duplex and simplex configurations and are compatible with single-mode and multimode fibers .

ST (Straight Tip)

The ST connector features a bayonet-style twist-lock mechanism and is primarily used in legacy systems, industrial networks, and military applications. It is round in shape and provides a robust mechanical connection, though it is less common in m...

Article Content

Jul 24, 2025

Fiber Connector Types: A Complete Guide (2024)

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

Aug 12, 2025

Fiber Optic Connectors Explained: Design, Types & Applications

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

Apr 15, 2026

Fiber Optic Connector Types Fully Explained | FiberMania OEM

Explore detailed fiber optic connector types. Learn their features, appearances, capabilities, with images to help you

Sep 20, 2025

How to Identify Various Fiber Interface Types

(2) From the perspective of external light, the most conventional method of distinguishing is:

May 06, 2026

Fiber Connector Types Guide: Comparison & Selection

Guide comparing fiber connector types, their features, applications and selection tips for

Aug 22, 2025

Fiber Optic Connector Guide | Fiber Optic Connector Types

Fiber optic connectors are engineered to provide perfect alignment of the microscopic glass fibers used in fiber cables to transmit

Apr 29, 2026

Fiber Optic Connectors Selection Guide: Types, Features,

The end of the fiber is held within the ferrule by either adhesive or crimping so that it becomes a permanent component. The ferrule

Nov 24, 2025

Fiber Optic Connector Types: A Beginners Guide

Discover the common fiber connector types. Learn the differences, uses, and best practices

Jun 20, 2026

Understanding Fiber Optic Connectors: Types, Differences, and ...

Fiber optic connectors are essential components in modern communications networks, enabling seamless data

Jan 14, 2026

How Many Fiber Connector Types Do You Know?

This article introduces common fiber connector types, emerging VSFF connectors, industrial and legacy designs, and

Dec 25, 2025

Fiber Optic Connector Types: LC vs SC vs MPO Guide

A fiber optic connector is a mechanical interface used to align and connect optical fibers for signal transmission. Its

Apr 27, 2026

Details of 6 types of fiber optic cable connectors, and

Standard SC Fiber Optic Cable Connector The SC interface is one of the four most

Apr 21, 2026

Fiber Optic Connector Types and Applications: A Comprehensive

Delve into the diverse landscape of fiber optic connector types and their specific applications. Learn about SC, LC, ST,

Mar 17, 2026

Fiber Optic Connector Selection: Your Ultimate Type Guide

Choose the right fiber optic connector with our comprehensive type selection guide. Discover the features, benefits,

Jun 23, 2026

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

Jun 29, 2026

Fiber Optic Connector Types

However, no matter what the fiber connector types are, they have the same function and similar basic components—ferrule,

May 16, 2026

Optical fiber connector

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

Feb 13, 2026

FS Community

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

Nov 03, 2025

Fiber Optic Connectors | Common types of fiber optic connectors

Fiber optic connectors with "physical contact" As different as these above mentioned common fiber optic connectors - LC connector,

Oct 07, 2025

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

This in-depth guide explores the technical nuances, applications, and best practices for major fiber connector

Apr 29, 2026

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

In the intricate web of fiber optic networks, connectors serve as the critical interface points that enable seamless data

Jun 30, 2026

Several types of fiber optic interfaces

There are many types of fiber optic interfaces, common ones include: LC (Lucent Connector) interface: The LC interface is a small

Feb 07, 2026

Fiber Optic Connector Types – The Ultimate Guide

You'll learn how to visually identify these fiber optic connector types by size and latch style, compare their performance

Aug 17, 2025

Everything You Need to Know About Fiber Connector

Fiber connectors are an essential part of the process, providing a reliable and safe way to

Feb 08, 2026

16 Types of Fiber Optic Connectors to Choose From

16 Types of Fiber Optic Connectors to Choose From Remateable connections are made possible by Fiber

Jul 05, 2026

Types of Fiber Optic Cable Connectors and Their Uses

Choosing the correct connector type ensures ideal performance of the fiber optics cables and devices. Learn more about the types of

Jan 17, 2026

LC Vs SC Vs FC Vs MPO Fiber Optic Connectors:

Compare LC, SC, FC, ST, MPO & MTP fiber optic connectors with expert insights. Learn

Jan 28, 2026

Complete Guide to fiber optic connector types and Their Uses!

This guide explains the most common types of fiber optic connectors, their features, advantages, and how to select

Contact Us

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

Website: <https://iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

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

