

What is the SC type of fiber optic reel



Article Overview

The SC type of fiber optic reel uses the Subscriber Connector (SC), a square-shaped, push-pull fiber optic connector suitable for both single-mode and multimode fibers.

Overview of SC Connectors

The SC (Subscriber Connector) is one of the most widely used fiber optic connectors in telecom and data networks. It features a 2.5 mm ceramic ferrule housed in a rectangular body and employs a push-pull snap coupling mechanism, which provides a secure and easy-to-use connection without twisting or threading. This design makes SC connectors robust, durable, and technician-friendly, especially in environments where quick installation and removal are required.

Applications

SC connectors are commonly used in:

- FTTH (Fiber to the Home) deployments
- Enterprise LANs and structured cabling systems
- Data centers where medium-density panels are sufficient
- Legacy telecom hardware that already uses SC ports They are compatible with both single-mode and multimode fibers, making them versatile for a wide range of optical network setups.

Advantages

- **Durable and robust:** The rectangular body and ceramic ferrule provide mechanical strength.

Article Content

SC Type Fiber Optic Connectors

Features JIS, IEC standards compliant and fully intermateable with NTT's SC products. JIS C 5973 (F04 type fiber optic connectors)

Fiber Optic Connector Types Fully Explained | FiberMania OEM

Fiber Optic Connector Types: An In-Depth Guide for Modern Networks This article explores the wide range of fiber

Types of Fiber | Single Mode vs Multimode

Along with being faster, fiber optic cables also support greater maximum distances. For

101 Series: Know Your Fiber Connectors

In fact, according to the Fiber Optic Association, in all there are about 100 different types of fiber optic connectors.

What is an SC cable and how does it work? – Fiber Optic Blog

Here's a detailed explanation of what an SC cable is and how it works: What is an SC Cable? Fiber Optic Cable: SC

Fibre Optic Connectors: LC, SC, ST, FC & MTP Compared

SC (Subscriber Connector) uses a 2.5 mm ferrule and was once the most dominant connector in telecom.

Fiber Optic Cable Connector Types Explained: LC, SC, ST, FC

Compare fiber-optic connector types, including LC, SC, ST, FC, MPO, and POF. See applications, selection tips, and

A Breakdown of Fiber Optic Patch Connectors and

A comprehensive guide to fiber optic connectors including FC, SC, LC, ST, and MPO/MTP

Fiber Optic Patch Cables: FC, SC, ST & LC Connector Guide 2026

Originally the dominant connector for Gigabit Ethernet and GBIC optical modules, SC ports are still widely deployed

What is an SC cable and how does it work? – Fiber Optic Blog

An SC cable, often referred to as an SC connector cable, is a type of fiber optic cable terminated with SC (Subscriber

Fiber-optic communication

Modern fiber-optic communication systems generally include optical transmitters that convert electrical signals into optical signals,

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.

What is SC Fiber Optics? The Ultimate Guide – TURNSTONE CABLES

Find out how the SC fiber connector works, where it's used, and how it fits with optical fiber connector types in reliable

What are SC connectors? | Connector Supplier

Meet the Connector: SC Connector SC fiber-optic cable connectors are widely used in optical network applications, such as internet

Fiber Connectors

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

Fiber Optic Connectors: Difference between LC and SC

If you want to understand the differences between LC and SC fiber optic connectors, you are in the right place. These

Fiber Optic Cable Types – Multimode and Single Mode

Application Fiber Optic connectors and cables are present in nearly every communications project that we might sell into, be it a DAS

Differences Between ST, SC, FC, and LC Fiber

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

FS Community

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

Types of Fiber Optic Cables: Complete Classification

In today's digital era, a reliable fiber optic cable network forms the backbone of

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

Learn how to select and test LC, SC, and ST connectors for reliable fiber

Complete Guide to Fiber Optic Connector Types: LC,

Learn all major fiber optic connector types (LC, SC, MPO, APC/UPC), their differences,

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

Fiber Connector Types: A Comprehensive Guide 2025

The SC connector is one of the earliest and most enduring types in the fiber optic world. Known for its square shape

The Ultimate Guide to SC/APC Fiber Optic Cables

What is an SC/APC Fiber Optic Cable? Understanding the Connector The SC/APC

Fiber Optic Patch Cord Types Explained: SC, LC, MPO & How to

Discover all major fiber optic patch cord types—including SC, LC, ST, MPO/MTP—and learn how to choose between

Everything You Need to Know About SC Connectors

Fiber optic connectors are vital in achieving efficient and dependable data transmission in

Optical fiber connector

Optical fiber connector LC (top) and ST (bottom) optical fiber connectors, both with protective caps in place

Understanding SC/APC Fiber Optic Connectors: A

Discover everything you need to know about SC/APC fiber optic connectors in our

Fiber Connector Types: A Complete Guide (2024)

Although manufacturers have launched over 100 fiber connectors, only a few types are the industry's most popular

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