

Sc-sc fiber optic cold connector



Article Overview

SC cold connectors are field-installable fiber optic connectors that terminate cables without fusion splicing, available in SC/APC and SC/UPC variants for high-performance optical networks.

Overview

An SC cold connector, also known as a fiber fast connector or mechanical splice, is a field-installable device that allows optical fibers to be terminated quickly without a fusion splicer. It aligns the bare fiber with a short fiber stub inside the connector using mechanical clamping or index-matching gel, enabling optical signal transmission with minimal loss. These connectors are widely used in FTTH deployments, distribution boxes, and emergency repairs due to their fast installation and lower tool requirements compared to fusion splicing.

SC Connector Types

- **SC/APC (Angled Physical Contact):** Features an 8° angled endface polish, providing return loss ≥ 60 dB, which minimizes back reflection. This type is standard for GPON, EPON, and CATV networks, where low reflection is critical. The green housing color indicates APC type.
- **SC/UPC (Ultra Physical Contact):** Flat polish with return loss ≥ 50 dB, suitable for data centers, enterprise networks, and digital communication systems where reflections are less critical. The blue housing distinguishes it from APC connectors. Important: APC and UPC connectors are not interchangeable; connecting an APC to a UPC adapter can cause 3–4 dB excess insertion loss and damage the ferrule endfaces.

Article Content

FASTConnect Mechanical Fiber Connectors | AFL Global

FASTConnect field installable connectors include LC, ST, SC and are compatible with 250 μm and 900 μm

SC Fast Connectors

SC Fast Connectors are pre-assembled, field-installable connectors used in fiber optic networks for quick

Sc/Upc Optical Cold Splice Quick Assembly Connector Pre

Main business includes optical fiber trunk, optical fiber to the home, computer room wiring, data zte wiring, network wiring and other

SC Simplex Fibre Connector

SC connectors are manufactured using the best quality components and they exceed all areas of the

Fast Connector SC-UPC Fiber Optic Quick Cold UPC Embedded Fiber Optic ...

The fiber optic cold connector is simpler and faster to operate. The pre-embedded fiber structure uses a piece of bare fiber pre

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

SC-UPC Optic Fiber Quick Cold UPC Fast Connector Embedded

Buy SC-UPC Optic Fiber Quick Cold UPC Fast Connector Embedded Fiber Optic Connector Quick Connector UPC at Aliexpress for

FASTConnect Mechanical Fiber Connectors | AFL Global

FASTConnect® connectors are compatible with 250 μm and 900 μm optical fibers, as well as 900 μm , 2

Understanding Fiber Connector Types ST SC LC FC

Detailed illustration of APC (Angled Physical Contact) fiber optic connector structure, showing angled

Duogalia-FTTH SC/APC Fiber Quick Connector, Optic Fiber

About this item The package includes 10 pieces SC APC fiber cable quick connector. Easy to install, including fiber guide

SC Fiber Connectors

The connector shall be field-polished, field-installable, and does not require a curing oven or proprietary tool to facilitate the

ONTi New SC APC SM Single-Mode Fiber Optical

ONTi SC APC/UPC Single-Mode Fiber Optic Connectors, 0.25dB Insertion Loss, 10s Quick Connect, CE

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

SC-UPC Optic Fiber Quick Cold UPC Fast Connector

SC embedded fiber optic connector quick connector cold, using tricyclic class A ferrule insertion loss,

FO Connector SC-Simplex, SC-Duplex

The SC is an optical fibre connector for applications in the telecommunications sector, data centres, LAN

SC Fiber Optic Connector

SC Connector Contact Stran Technologies Sales Phone: 203-720-6500 Request A Quote Overview Applications Features

New SC APC UPC SM Single-Mode Optical Connector

New SC APC UPC SM Single-Mode Optical Connector FTTH Tool Cold Connector Fiber Optic Fast

Amazon : Sc Fiber Optic Connector

YDC Fast SC/APC Singlemode Fiber Optic PrePolished Connector - Embedded FTTH Fiber Optic Connector - 3-Pack GwliUni 100

Differences Between ST, SC, FC, and LC Fiber

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

Fiber Fast Connector Buying Guide: SC/APC Cold

A fiber fast connector, also known as a mechanical splice or cold connector, is a field

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

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

Fiber Connector Types: A Comprehensive Guide 2025

As global demand for high-speed internet, cloud computing, and data center capacity

FTTH Cold Pressing Sc APC /Upc Fast Connector Best

The SC cold pressing fast connector from Fibconet is a high-quality product specifically designed to

SC Fiber Optic Connectors

SC Fiber Optic Connectors are used for equipment cross-connects or interconnects in backbone, horizontal and work area

10 PCS SC-UPC Optic Fiber Quick Connector Fast Single Mode FTTH Cold ...

OTDR Visual Fault Locator,Fiber Optic Power Meter,Fiber Cleaver,Fiber Cleaner,Fiber Stripper Pliers Splitter

FTTH Cold Shut Type Sc/APC Upc Fiber Optic

Fast connector is a good solution to field wiring and fiber-to-the home engineering connector. Assembly

SC-UPC Optic Fiber Quick Cold UPC Fast Connector Embedded Fiber Optic ...

Attributes sc upc Model Number fiber optic connector Type other Brand Guangdong, China Place of Origin 10pcs/row, 100pcs/box,

SC Fibre Connectors & Adapters

The SC connector is one of the most popular connectors used today. It can be seen in every area of the communications

100Pcs Embedded Optic Fiber Connector, Optic Fiber

About this item UNIQUE DESIGN: Pressure part of the optic fiber connector adopts the unique structural

SC UPC Pre-embedded Fiber Optic Fast Connector For

Pre-embedded Fiber Quick Connector SC UPC is your great solution for FTTH fiber terminal and field

Contact Us

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