



## SC Connector

Optical fiber connector is used to connect two fiber or cable, and can be repeated use of passive components. It makes two of the optical fiber end face precision docking, so that the optical output of light energy can maximize the coupling to the receiving optical fiber and make to minimize the effects on the system, it is the basic requirement of optical fiber connector. To a certain extent, fiber optic connectors affect the reliability and the performance of optical transmission system. At present, it has been widely used in optical fiber transmission lines, ODF and fiber optic test instruments, meters, is currently using the largest number of optical passive components.

The SC connector has a 2.5 mm Zirconia ceramic splint and a coupling mechanism for a fast and reliable connection. We have a range of simplex and duplex connectors suitable for various applications. Available in multimode or single mode.

## Applications

- CATV
- Active device termination
- Metro
- Test equipment
- Local Area Networks (LANs)
- Premise installations
- Telecommunication networks
- Data processing networks
- Wide Area Networks (WANs)

## Features

- Ferrule end surface predomed
- UL-rated plastic housing
- Telcordia style boots
- Boots in a variety of colors
- Free-floating ceramic ferrule
- Low insertion loss and back reflection loss
- Precision anti-rotation key and corrosion resistant body

**Specification**

Item	Specification		Multimode
	PC	APC	
Insertion Loss	≤0.30dB		≤0.30dB
Return Loss	≥50 dB	≥60 dB	
Durability	≤0.2 dB typical change, 1000 matings		
Operating Temperature	-40 to + 85°C		-40 to + 85°C
Tensile strength	>10kg		
Ferrule Hole Sizes	125.0+1/-0μm, Concentricity:≤1.0μm	125.0+1/-0μm, Concentricity:≤0.5μm	125μm, Concentricity:≤3μm
	125.3+1/-0μm, Concentricity:≤1.0μm	/	127μm, Concentricity:≤3μm
	125.5+1/-0μm, Concentricity:≤1.0μm	125.5+1/-0μm, Concentricity:≤0.5μm	128μm, Concentricity:≤3μm
	126.0+1/-0μm, Concentricity:≤1.0μm	126.0+1/-0μm, Concentricity:≤0.5μm	/