

FIBRE OPTIC PASSIVE COMPONENTS

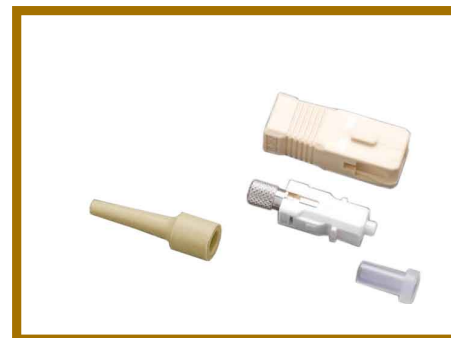
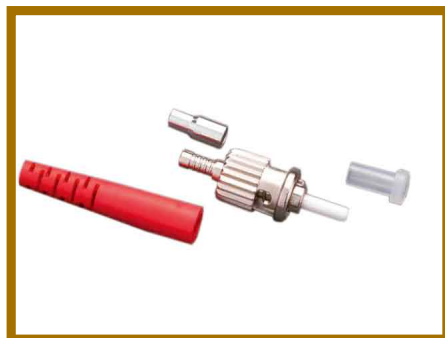
CONNECTORS

SC OPTICAL FIBER CONNECTOR

The SofeTEK SC optical fiber connector is comprised of a polymer body and a ceramic ferrule/spring/crimp barrel assembly plus a crimp over sleeve and rubber boot. These connectors are suitable for, 900µm and 2 and 3mm cables. The connector is precision made and manufactured to demanding specifications.

The combination of a ceramic ferrule and a precision polymer housing provides consistent long-term mechanical and optical performance.

SofeTEK has 15 years experience in manufacturing fiber optic connectors and cable assemblies. From Biconic and SMA through ST, SC to today's Small Form Factor connectors like the LC, MU or MT-RJ . If you have a fiber network, no matter what the technology, SofeTEK can offer you a solution to your problem.



Ordering information

Description	Part No
SC SM Simplex Connector 0.9mm Blue Boots	SCSMSX09BU
SC SM Simplex Connector 2.0mm Blue Boots	SCSMSX20BU
SC SM Simplex Connector 3.0mm Blue Boots	SCSMSX30BU
SC MM Simplex Connector 0.9mm Beige Boots	SCMMSX09BG
SC MM Simplex Connector 2.0mm Beige Boots	SCMMSX20BG
SC MM Simplex Connector 3.0mm Beige Boots	SCMMSX30BG
SC/APC SM Simplex Connector 0.9mm Green Boots	SASMSX09GN
SC/APC SM Simplex Connector 2.0mm Green Boots	SASMSX20GN
SC/APC SM Simplex Connector 3.0mm Green Boots	SASMSX30GN
SC Duplex Clip Blue	SCCLIPBU
SC Duplex Clip Beige	SCCLIPBG
SC Duplex Clip Green	SCCLIPGN
SC SM Duplex Connector 2.0mm Blue Boots with Blue Clip	SCSMDX20BU
SC SM Duplex Connector 3.0mm Blue Boots with Blue Clip	SCSMDX30BU
SC MM Duplex Connector 2.0mm Red and Black Boots with Beige Clip	SCMMDX20RB
SC MM Duplex Connector 3.0mm Red and Black Boots with Beige Clip	SCMMDX30RB
SC/APC SM Duplex Connector 2.0mm Green Boots with Green Clip	SASMDX20GN
SC/APC SM Duplex Connector 3.0mm Green Boots with Green Clip	SASMDX30GN

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The SC connector is one of the most popular connector used today. It can be seen in every area of the communications environment, from a telecoms distribution room to a local area network closet the SC has set the standard for optical fiber connectors.

SofeTEK has full ISO9001 on all of its manufacturing facilities, so you can be confident you are using the very best in cable,connectors and manufacturing.

Versions Available:

2mm Patch
3mm Patch
900mm

Termination Procedures

Prep cable end, Epoxy-Crimp-Polish

Colours

2 & 3 mm Boot, Blue, Red, Black, Green
900 mm Boot, Blue

Intermateability

Optically and mechanically compatible with all equivalent connectors.
Compliant with IEC 61754-4.

Optical Performance

Singlemode
Insertion loss: Max. 0.3 dB Typical 0.2 dB
Return Loss: UPC > 50dB Typical 55 dB
APC > 60dB Typical 65 dB
Multimode
Insertion loss: Max. 0.3 dB Typical 0.12 dB

Mechanical

Capillary diameter tolerance:
SM—126 ± 0.5µm
MM—127 +/- 0.5µm
Ferrule Diameter:2.5mm ± .001
Pre-radiused, PC-end finish for Physical Contact
ferrule to ferrule. R 10 to 25mm
Tensile Strength Cable retention: >50N
(2 & 3mm boot versions only)

Vibration (Mated Pair):

(IEC 61300-2-1)
10-55 Hz, 1.5mm P to P
=0.3dB Change

Mating Durability:

(IEC 61300-2-2)
1000 mating cycles
Clean every 25
< 0.2 dB Change

High Temperature:

(IEC 61300-2-18)
75°C for 96 hours
=0.2dB Change

Damp Heat:

(IEC 61300-2-19)
60°C at 95% RH, 96 hours
=0.2dB Change
Temperature Cycling
(IEC 61300-2-48)
-40 to +75°C, 40 cycles
=0.2dB Change
Operating Temperature
-40°C to +85°C