

FIBRE OPTIC PASSIVE COMPONENTS

CONNECTORS

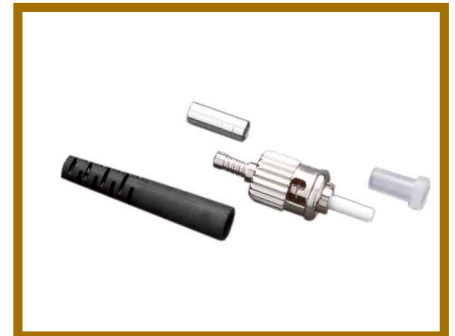
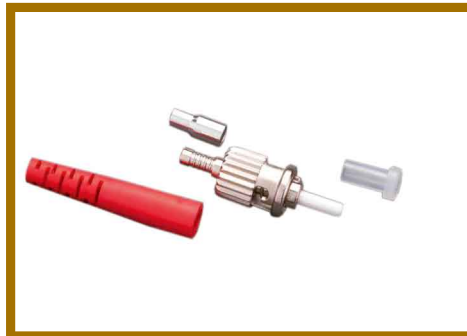
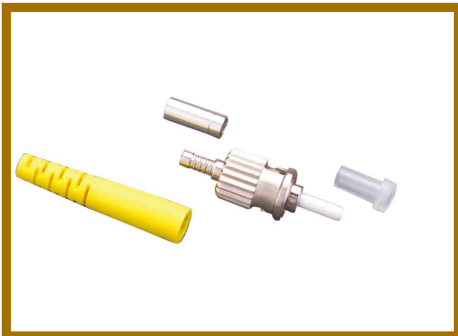
ST OPTICAL FIBER CONNECTOR

The ST connector has been the main stay of optical fiber connectors for many years. It can be found in almost every communications room world wide, but used mainly in data communications systems. The simple to use bayonet locking mechanism reduces the risks of accidental disconnection.

The SofeTEK ST optical fiber connector comprises of a nickel plated brass 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—3mm cables. The connector is precision made and manufactured to demanding specifications. The combination of a ceramic ferrule and precision metal 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 (SFF) 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.

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.



Ordering information

Description	Part No
ST SM Connector 0.9mm Yellow Boots	STSM09YE
ST SM Connector 2.0mm Yellow Boots	STSM20YE
ST SM Connector 3.0mm Yellow Boots	STSM30YE
ST MM Connector 0.9mm Black Boots	STMM09BK
ST MM Connector 2.0mm Black Boots	STMM20BK
ST MM Connector 3.0mm Black Boots	STMM30BK

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The ST connector is 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 ST has set the standard for optical fiber connectors.

The SofeTEK ST connectors are manufactured using the highest quality components. The connectors exceeds all areas of the standards covering optical fiber connectors.

Versions Available:

2mm Patch
3mm Patch
900 µm

Termination Procedures:

Prep cable end, Epoxy-Crimp-Polish
Product Packaging:
Standard packaging: 100pcs bulk packed
Special packaging available by request

Colours:

2 & 3 mm Boot, Black, Red, Yellow
900 µm Boot, Black, Blue, Yellow
ST Optical Fiber Connector

Intermateability

Optically and mechanically compatible with all equivalent connectors.
Compliant with IEC 61754-2.

Mechanical:

Capillary diameter tolerance:
SM— $126 \pm 0.5\mu\text{m}$
MM— $127 \pm 0.5\mu\text{m}$
Ferrule Diameter: $2.5\text{mm} \pm .001$
Ceramic pre-radiused, PC-end finish for Physical Contact ferrule to ferrule. R 10 to 25mm
Tensile Strength Cable retention:
>50 N (2 & 3mm boot versions only)

Optical Performance:

Singlemode:
Insertion loss: Max. 0.3 dB Typical 0.2 dB
Return Loss: UPC > 50dB Typical 55 dB

Vibration (Mated Pair):

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

Multimode:

Insertion loss: Max. 0.3 dB Typical
0.12 dB

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 +85°C, 42 cycles
=0.2dB Change
Operating Temperature
-40°C to +85°C