

## Fiber optic connectors

Fiber optic connectors are critical components for the fiber optic pigtail, patch cords, multi-core assemblies and other passive products. Connector quality has great impact on the stability and IL budget of the network.

Fiber Zip provides connectors all standard the connectors including LC, SC, FC, ST, MTRJ, E2000, MU in singlemode and multimode with quality ferrules and different type boots. All the connectors are compliant with IEC, JIS, Telcordia, material are RoHS certified.

Fiber Connector Parameter:

Typical Insertion Loss	≤0.2dB
Durability	≤0.2dB at 1000times
Impacting Temperature	-40°C ~+85°C
Humidity Cycling	75°C .95%(336hr)
Vibration	10-55Hz(2hr)
Concentricity	SM≤0.1um
Ferrule Inner Diameter	ø0.125 to ø0.127mm for 1.25mm and 2.5mm

### LC Fiber Optic Connector



LC fiber optic connectors with compact and small form design are widely used in telecommunication. LC connector is the most popular fiber connector especially for high precision and density installation. LC fiber connectors come in SM PC, SM APC, MM PC ferrules length at 6.40 +0.1mm in simplex, duplex with 2.0mm, 3.0mm, 0.9mm standard boot and short boots, angled boots, Uni-boot

## SC Fiber Optic Connector



SC fiber optic connectors are with one piece construction and pull-proof design for easy insertion and consistent connection. It has precision anti-rotation key and corrosion resistant body. SC connectors is the most common connector type on the patch panels. SC fiber optic connectors are available duplex and simplex with APC, UPC with ferrule length at  $10.5 \pm 0.05\text{mm}$ .

## ST fiber optic connectors



ST fiber optic connectors are with bayonet style housing. It provides high precision alignment with ferrule length at  $12.7 \pm 0.05\text{mm}$ . The ST connector is available in simplex UPC for SM and MM.

## FC fiber optic connectors

### FC/UPC type connectors



### FC/APC type connectors



FC fiber optic connectors are designed with cylindrical metal coupling nut with keyed sleeves. Singlemode and multimode FC are with ferrule length at  $10.5 \pm 0.05\text{mm}$ . various color boots are provided in 0.9, 2.0, 3.0mm

### **MTRJ Fiber Optic Connector**



MTRJ fiber optic connects features RJ style snag free latch design and plastic ferrule, it only has duplex PC version. Male MTRJ connector with pins in the connector, both don't need diamond film for polish.

### **MU Fiber Optic Connectors**



The MU fiber optic connector is about half size of SC with square shape and push pulling mating mechanism. The connector features a pre-assembled body and precision molded plastic housing, and a free floating ferrule measuring 1.25mm O.D. held in place with a precision spring.

MTP/MPO , E2000, DIN4 connectors are also available, please check us for the details.