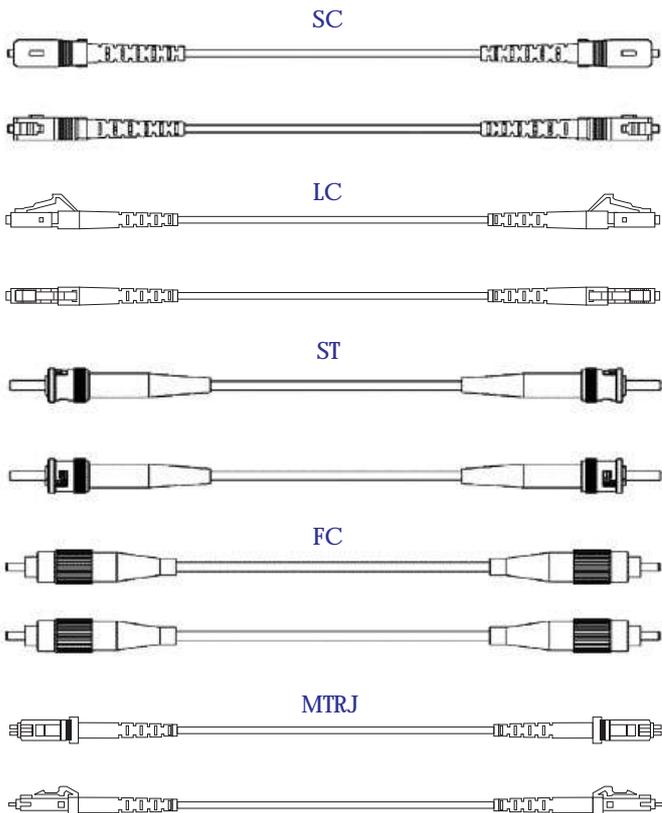


### APPLICATION

Fiber Optic Patch Cords are designed to interconnect or cross connect fiber networks with in structured cabling systems. typical fiber connector interfaces are SC,ST and LC in either multi-mode or single-mode applications.

### PHYSICAL SPECIFICATIONS

Connector Type / Ferrule Material Type	SC,LC & MT-RJ / Zirconia Ceramic FC,ST / Metal Bodies
Glass Type / Cladding Diameter	Coming Glass Fiber is Standard Single-Mode (SM) 9/125 $\mu\text{m}$ Multi-Mode (MM) 62.5/125 $\mu\text{m}$ 50/125 $\mu\text{m}$
Polymer Coating Diameter	125 $\mu\text{m}$
Cable Jacket	OFNR/LSZH / Simplex Riser-rated Duplex Zip Cord
Cable Colour	(SM) 9/125 $\mu\text{m}$ / Yellow Jacket (MM) 62.5/125 $\mu\text{m}$ / Orange Jacket (MM-10G) 50/125 $\mu\text{m}$ / Aqua Jacket
Dimension	SC,FC & ST 3.0mm / LC,MT-RJ 1.6-2.0mm



### SPECIFICATION

The patch cords shall meet an optical return loss equal to or better than -25dB per mated pair for PC polish, equal to or better than -55dB for UPC polish.or -56dB for APC polish.Insertion loss shall not exceed .4dB per mated pair for both multi-mode and single-mode. The patch cords shall be available in 1,2,3,6,10,15\_ \_ \_ \_ meter length. The patch cords shall be compliant with TIA-568-C.

### PERFORMANCE

	OS1, Single-Mode 9/125 μm	OM1,Multi-Mode 62.5/125 μm	OM3(10G),Multi-Mode 50/125 μm
Wavelength (nm)	850nm	1300nm	n/a
Min.Cable Bandwidth	500MHz-Km	500MHz-Km	n/a
Mean Insertion Loss	0.2dB	0.2dB	0.2dB
Maximum Insertion Loss	0.4dB	0.4dB	0.4dB
Maximum Return Loss	UPC -65dB / APC -55dB	-25dB	-25dB

### TEMPERATURE RANGE

During Installation	-05°C up to +50°C
During Operating	-20°C up to +70°C