

# FIBER OPTIC CONNECTOR

Our optical connector products include a full line of singlemode connectors designed for premium performance in factory installation



**FC** connector conforms to the JIS C-5970 standard and has a non-optical disconnect feature. In addition, it is pre-assembled for easy installation



**SC** connector is designed to meet the TIA/EIA-568A standard and features a blue push-pull housing that is duplexable with a simple clip.



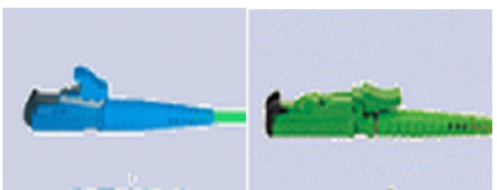
**MU** Connector was developed in conjunction with and is fully certified by NTT-AT for intermateability. The connector system inherits the superior performance and high reliability of the SC connector while offering compact packaging options for today's systems design



**LC** connector is fully licensed and meets all LC Alliance parameters for form, fit and function. The RJ-45 sized push-pull housing can be quickly converted into a duplex format with a simple clip.



**ST™/Type-II** compatible fiber optic connectors designed to minimize assembly time in the field and in production environments.



**E2000** connector design for latched push-pull connector, automatic Metal shutter in connector and adaptor as dust and laser beam protection, one piece design for easy and quick termination and high safety in highpower application.

Utilizing our proprietary predome zirconia ferrule design, the complete line of connectors meet or exceed industry standards for durability, performance, repeatability and reliability. Choices for boot size and color also allow custom assemblies for product

# FIBER OPTIC PATCHCORD & PIGTAIL



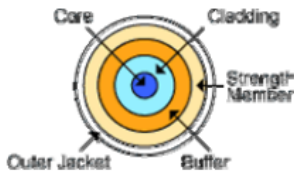
## Connector information

### SINGLE MODE

### MULTIMODE

Connector type	FC,SC,ST,LC,MU	FC,SC,ST,LC,MU	
Insertion loss	< 0.2 dB	<0.2 dB	
Return loss	PC > 40 dB UPC > 50 dB APC > 60 dB	>0.25 dB	
Fiber type ( core/cladding)	9/125 um , 50/125 um , 62.5/125 um <b>CORNING SMF-28 (G.652) , CORNING LEAF (G.655)</b>		
Buffer diameter	900 um		
Outer diameter	0.9 , 2.0 , 2.4 , 3.0 mm		
Storage temperature	-40 to +75 <sup>0</sup> c		
Operating temperature	-20 to +70 <sup>0</sup> c		
Approvals and listing	OFNR or LSOH (IEC 61304 LOW SMOKE , FLAME-RETARDANT IEC 60332-3 , IEC 60752-2 NON-CORROSIVE)		
Transmission performance	9/125 Single mode 1310/1550 nm	50/125 Multimode 850/1300 nm	62.5/125 Multimode 850/1300 nm
Maximum attenuation (dB/km)	1.0/0.75	3.5/1.5	3.5/1.5

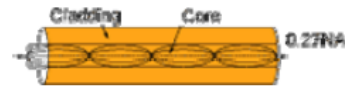
## FIBER CONSTRUCTION



Singlemode



Simplex



Multimode



Duplex

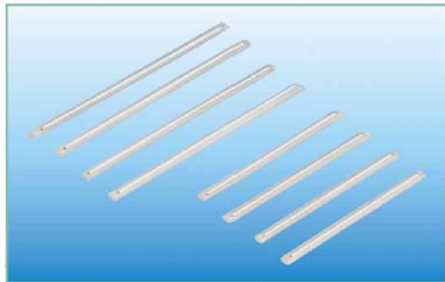
# FIBER OPTIC ATTENUATOR



FC                      SC                      ST                      MU                      LC

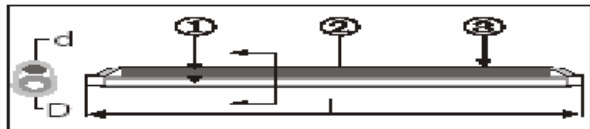
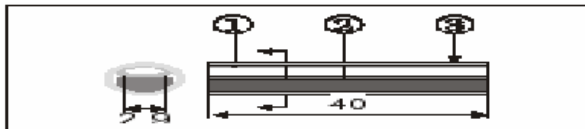
Description			Remark
Attenuation Value	1 – 10dB , 15 dB, 20dB		
Connector type	FC,SC,ST,LC,MU	FC , SC	
Polishing type	PC , UPC	APC	
Return loss	> 50dB	> 60 dB	
Attenuation accuracy (Typical)	1-5 dB deviation < + 0.5 dB 10 dB deviation < + 1.0 dB 15 dB deviation < + 1.5 dB 20 dB deviation < + 1.5 dB		
Wavelength ,nm	1310 , 1550		

## SPLICE PROTECTIVE SLEEVE



Splice sleeve for fiber-optic fusion splices can be used to rebuild the primary coating of fiber to provide protection at the fusion joint area.

**Structure:** Shrinkable sleeve  
Stainless steel rod



### Generic Specifications:

Description	Typical diameter after heating	Fusion tube	Length of the stainless stell rod	Length of Sleeve
	ø (mm)	ø (mm)	l(mm)	l(mm)
45 mm	2.5	1.3	40	45
60 mm	2.5	1.3	55	60
Change of temperature	Temperature Cycle		-40°C to 85°C	
	Cycles:		10 cyc.	
	1 cycle:		6 hr.	

