



ST FIBER OPTIC CONNECTORS

Description

The ST* connectors used in our patch cords employ half-twist bayonet locking mechanism and high quality 2.5mm zirconia ferrules. They are fully compatible with existing ST type hardware.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality.

*ST is a trademark of Lucent Technologies



Features

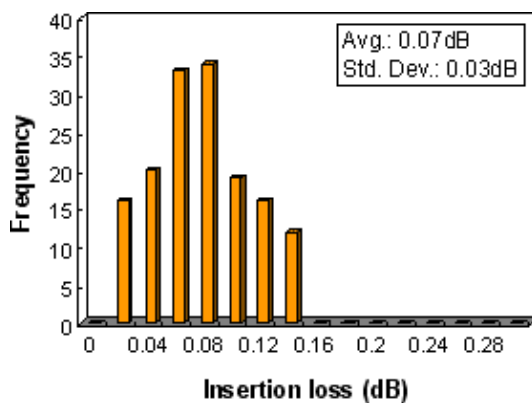
- ST compatible bayonet coupling
- Metal body and zirconia ferrule
- Low insertion loss and high return loss
- Materials meet RoHS requirements

Applications

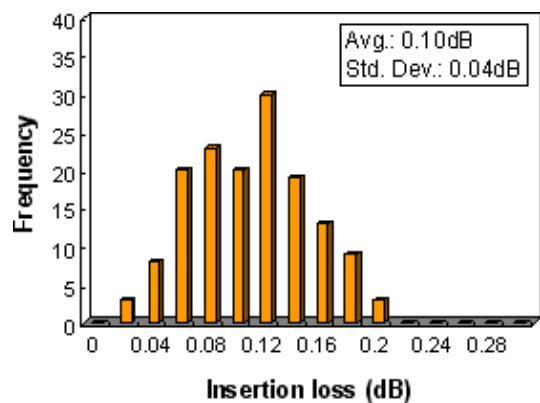
- Local Area Networks
- Fast Ethernet
- Fiber Channel
- ATM Networks
- Instrumentation

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



Insertion Loss, SM 9/125um



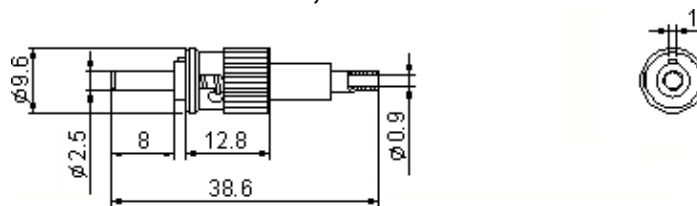
* Typical performance charts and actual data may vary from lot to lot.

Specifications

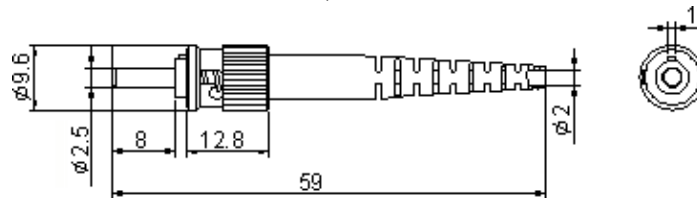
Characteristics	Unit	Value/Performance			Comments
		SM		MM	
		SPC	UPC		
Basic					
Insertion Loss (IL)	dB	≤0.3			IEC 61300-3-4
Return Loss (RL)	dB	≥45	≥50	≥23	IEC 61300-3-6
Endurance	dB	ΔIL≤0.2			IEC 61300-2-2, coupling and uncoupling 500 cycles, clean every 25 cycles
Operating Temperature	°C	-40 ~ +70			
Storage Temperature	°C	-40 ~ +70			
Mechanical					
Drop	dB	ΔIL≤0.2			IEC 61300-2-12, 1.5m, 5 drops, no damage
Vibration	dB	ΔIL≤0.2			IEC 61300-2-1, 10-55Hz, 0.75mm amplitude, 0.5 hrs/axis
Flex	dB	ΔIL≤0.2			Telcordia GR326(4.4.3.2), 0.9kg, ±90°, 100cycles, for 2mm or larger cable
Twist	dB	ΔIL≤0.2			Telcordia GR326(4.4.3.3), 1.35kg load, ±2.5 turns, 10 cycles, for 2mm or larger cable
Pull Proof	dB	ΔIL≤0.2			Telcordia GR326(4.4.3.4), 3.4kg at 90°, 6.8kg at 0°, for 2mm or larger cable
Environmental					
Salt Mist		No sign of corrosion			IEC 61300-2-26, 5% NaCl, 30°C, 7 days
Cold	dB	ΔIL≤0.2			IEC 61300-2-17, -20°C, 96 hrs
Dry Heat	dB	ΔIL≤0.2			IEC 61300-2-18, 70°C, 96 hrs
Damp Heat	dB	ΔIL≤0.2			IEC 61300-2-19, 40°C, 95%RH, 96 hrs

Dimensional Drawing

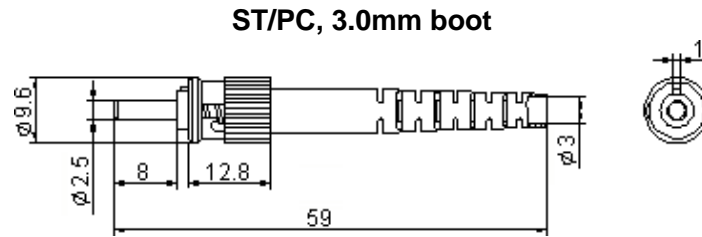
ST/PC, 0.9mm boot



ST/PC, 2mm boot



Dimensional Drawing



Ordering Information

Part Number: **CN- T P S K 3.0-26.0**

1 2 3 4 5

1	Connector Type	T=ST, F=FC, S=SC, DN=DIN, L=LC, etc.
2	Ferrule End-face	P=PC, A=APC
3	Fiber	R=Single Mode, K=Multimode
4	Cable Diameter	3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm
5	Ferrule Hole Size	25.0=125.0um, 25.5=125.5um, 26.0=126.0um, etc.

Products manufactured in
ISO 9001 certified facilities



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