



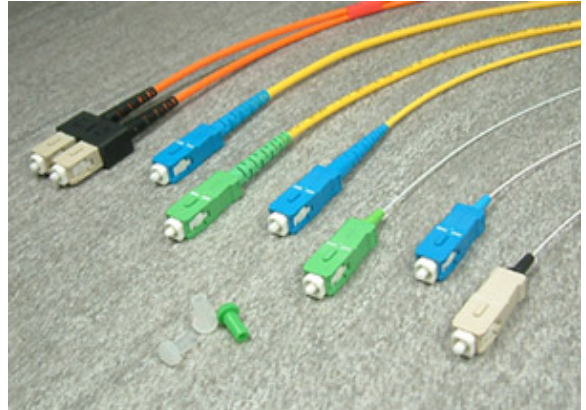
SC FIBER OPTIC CONNECTORS

Description

The SC* connectors used for our patch cords are designed to NTT-SC* standards and are fully compatible with existing SC hardware. Two simplex connectors can be configured into a duplex format by adding a duplex clip.

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

*NTT-SC is a trademark of NTT Advanced Technology Corp.



Features

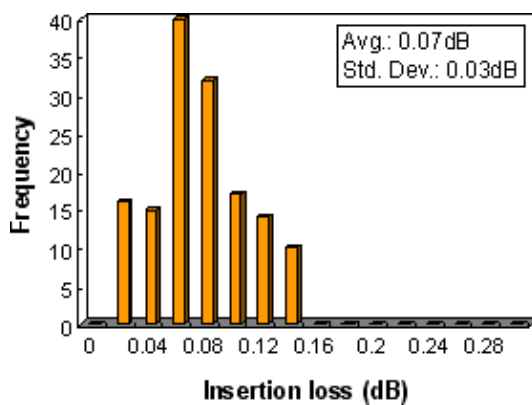
- Push-pull latching mechanism
- Non-optical disconnect performance
- High quality zirconia ferrules
- Materials meet RoHS requirements

Applications

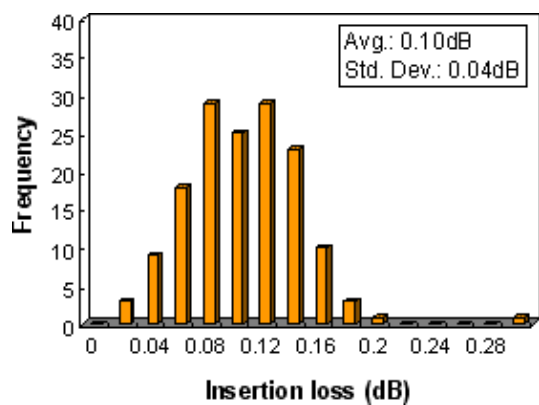
- Telecommunication
- Computer networks
- CATV networks
- Active device termination
- Instrumentation

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



Insertion Loss, SM 9/125um PC



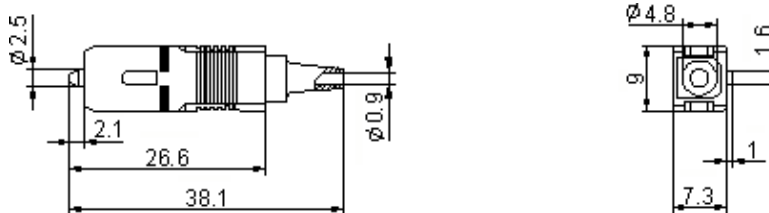
* Typical performance charts and actual data may vary from lot to lot.

Specifications

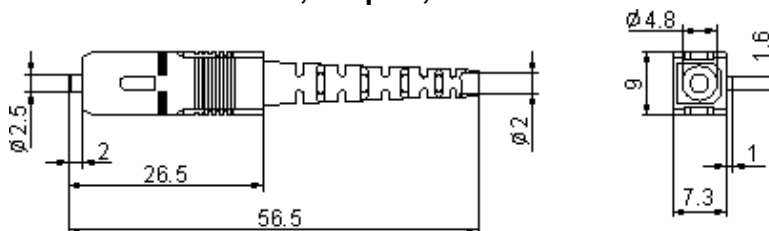
Characteristics	Unit	Value/Performance		Comments	
		SM			MM
		PC	APC		
Basic					
Insertion Loss (IL)	dB	≤0.3		IEC 61300-3-4	
Return Loss (RL)	dB	SPC≥45 UPC≥50	≥60 ≥23	IEC 61300-3-6	
Endurance	dB	ΔIL≤0.2		IEC 61300-2-2, coupling and uncoupling 500 cycles, clean every 25 cycles	
Operating Temperature	°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	
Coupling strength	dB	ΔIL≤0.2		IEC 61300-2-6, 4.2kg, 2min	
Environmental					
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

SC/APC, simplex, 0.9mm boot

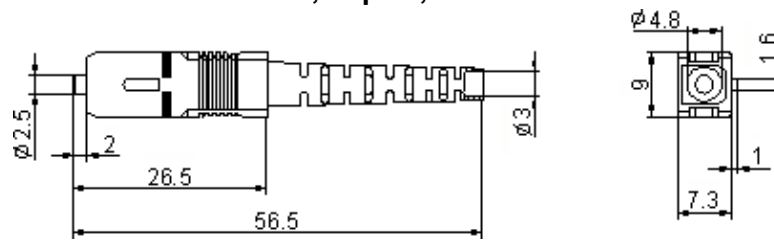


SC/PC, simplex, 2.0mm boot

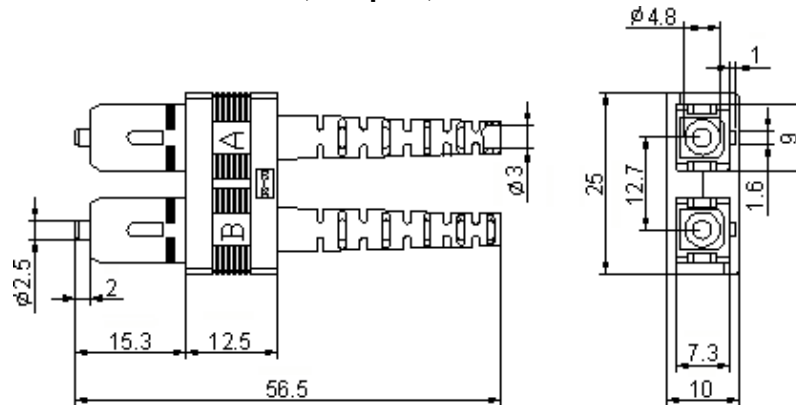


Dimensional Drawing

SC/PC, duplex, 3.0mm boot



SC/PC, simplex, 2.0mm boot



Ordering Information

Part Number: **CK-S P D K 3.0-26.0**

1 2 3 4 5 6 7

1 Connector Form	CN=Pre-assembled Connector, CK=Connector Kit
2 Connector Type	S=SC, F=FC, T=ST, L=LC, DN=DIN, etc.
3 Ferrule End-face	P=PC, A=APC
4 Cable Type	S=Simplex, D=Duplex
5 Fiber	R=Single Mode, K=Multimode
6 Cable Diameter	3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm
7 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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