

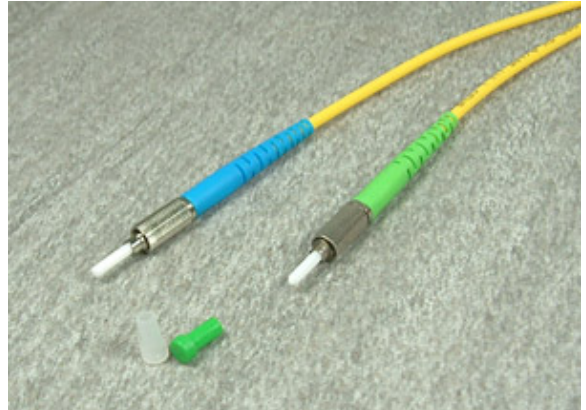


DIN FIBER OPTIC CONNECTORS

Description

The DIN connectors meet DIN 47256. They are compact and have spring-loaded free floating zirconia ferrules for superior performance.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of polished connectors meeting GR-326 requirements.



Features

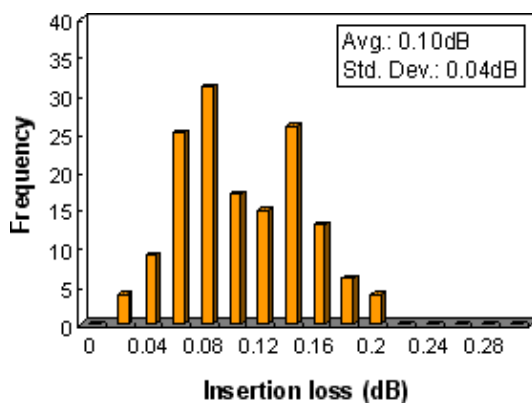
- Compatible with DIN 47256
- Compact design
- Low insertion loss and high return loss
- Materials meet RoHS requirements

Applications

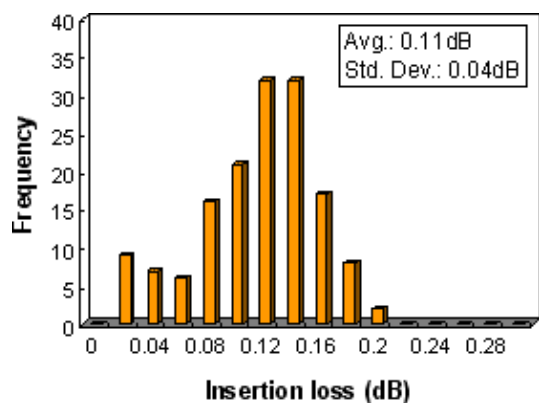
- Telecommunication
- Computer networks
- CATV networks
- Instrumentation

Optical Performance Distribution

Insertion Loss, SM 9/125um PC



Insertion Loss, SM 9/125um APC



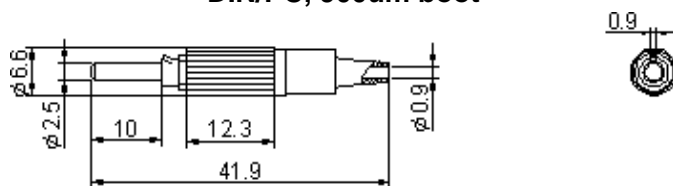
* Typical performance charts and actual data may vary from lot to lot.

Specifications

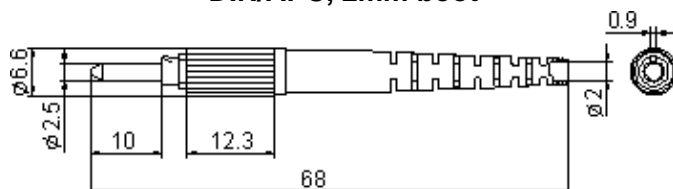
Characteristics	Unit	Value/Performance		Comments	
		SM			MM
		PC	APC		
Basic					
Insertion Loss (IL)	dB	≤0.3		IEC 61300-3-4	
Return Loss (RL)	dB	SPC≥45 UPC≥50	≥60 ≥23	IEC 61300-3-6	
Endurance	dB	ΔIL≤0.2		IEC 61300-2-2, coupling and uncoupling 500 cycles, clean every 25 cycles	
Operating Temperature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

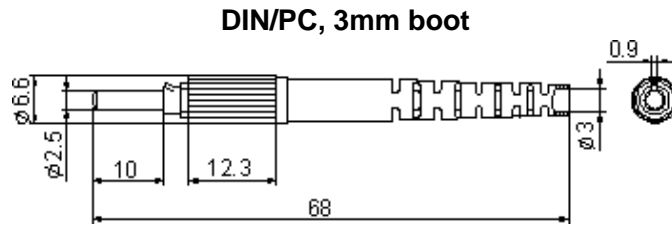
DIN/PC, 900um boot



DIN/APC, 2mm boot



Dimensional Drawing



Ordering Information

Part Number: **CN-DN P S R 3.0-25.5**

1 2 3 4 5

1 Connector Type	DN=DIN, F=FC, S=SC, T=ST, 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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