



FC FIBER OPTIC CONNECTORS

Description

The FC* connectors used in our patch cords are designed to NTT-FC* standards with high quality zirconia ferrules and non-optical disconnect performance. They are fully compatible with existing FC hardware.

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

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



Features

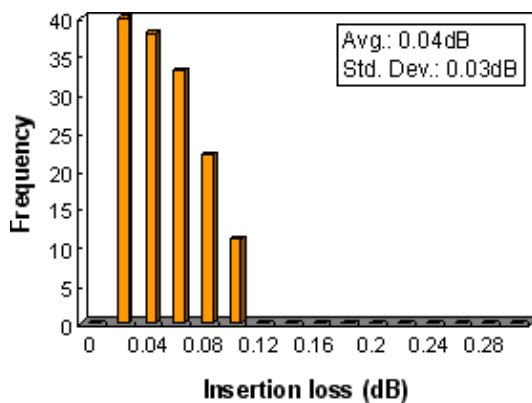
- Non-optical disconnect performance
- High quality zirconia ferrules
- Low insertion loss and high return loss
- Materials meet RoHS requirements

Applications

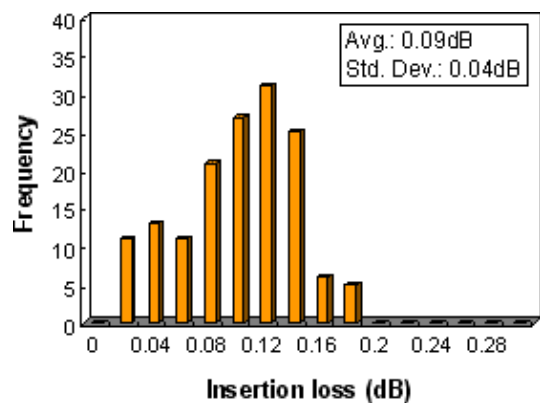
- Telecommunication
- Computer networks
- CATV networks
- Active device termination
- Instrumentation

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



Insertion Loss, SM 9/125um PC



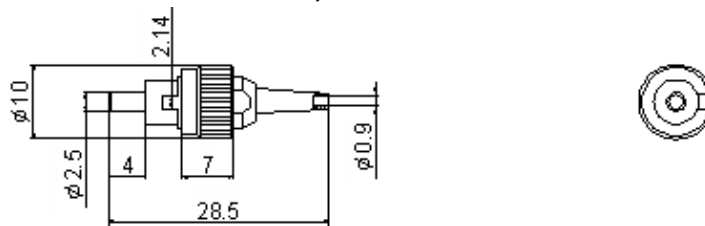
* Typical performance charts and actual data may vary from lot to lot.

Specifications

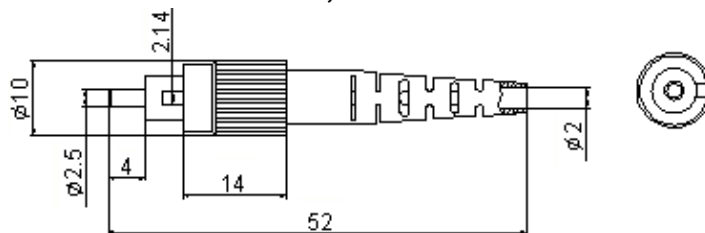
| Characteristics | Unit | Value/Performance | | Comments | |
|-----------------------|------|----------------------|------------|---|----|
| | | SM | | | MM |
| | | PC | APC | | |
| Basic | | | | | |
| Insertion Loss (IL) | dB | ≤0.3 | | IEC 61300-3-4 | |
| Return Loss (RL) | dB | SPC≥45 UPC≥50 | ≥60 ≥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 | |
| 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

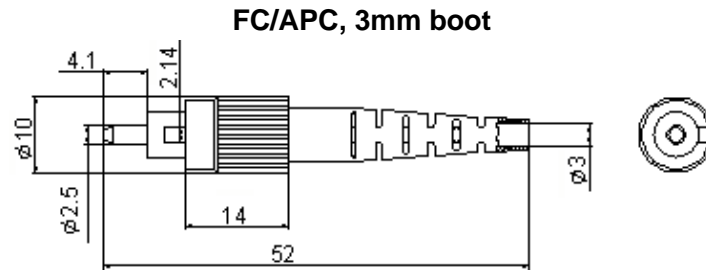
FC/PC, 0.9mm boot



FC/PC, 2mm boot



Dimensional Drawing



Ordering Information

Part Number: **CK-F A S R 0.9-25.5**

1 2 3 4 5 6

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