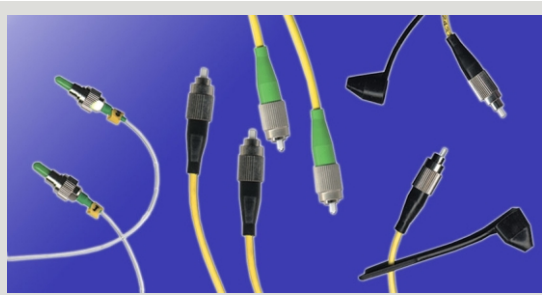


SC & FC FO Connectors

Features / Benefits



APPLICATIONS

- Data Communication
- Telephone Communication Network
- Test Equipment
- LAN
- Fiber Optic CATV
- Access Network

FEATURES

- UPC, APC Polishing
- High Return Loss
- Low Insertion Loss
- High Reliability and Stability

Operating Specifications

| Test Item | Test Condition | Specification | |
|---|--|---------------|---------|
| | | UPC | APC |
| Optical Performance | | | |
| Insertion Loss | 1310 nm LED light source | <0.3 dB | <0.3 dB |
| Return Loss | 1310 nm LD light source | >50 dB | >60 dB |
| Thermal Age | +85°C, 168 hours | 0.2 dB | 0.2 dB |
| Thermal Cycle | -40 - +75°C, 21 Cycles 168 Hours | 0.2 dB | 0.2 dB |
| Environ. Performance (Max. Insertion Loss Change) | | | |
| Humidity Aging | +75°C, 95% RH, 168 hours | 0.2 dB | 0.2 dB |
| Humidity Cond. Cycling | -10 to +65°C, 90% - 100% RH, 14 cycles, 168 hours | 0.2 dB | 0.2 dB |
| Vibration | 10-55 Hz, 1.5 mm (p-p) | 0.2 dB | 0.2 dB |
| Flex | 0.9 kgf, -90° to +90° repeat for 100 cycles | 0.2 dB | 0.2 dB |
| Operating Temperature | | -40 to +85°C | |
| Mech. Performance (Max. Insertion Loss Change) | | | |
| Twist | 1.35kgf, ±900°, 10 times | 0.2 dB | 0.2 dB |
| Proof | 0°, 6.8 kgf, 90°, 3.4 kgf | 0.2 dB | 0.2 dB |
| Impact | H=1.5 M, Total 8 Impacts | 0.2 dB | 0.2 dB |
| Exchangeability | Randomly | 0.2 dB | 0.2 dB |
| Mechanical Durability | 500 Times | 0.2 dB | 0.2 dB |
| Tensile Strength | | 200-600 g | |

Ordering Information

OT-CONN—

Connector
 FA = FC/APC
 FU = FC/UPC
 SA = SC/APC
 SU = SC/UPC