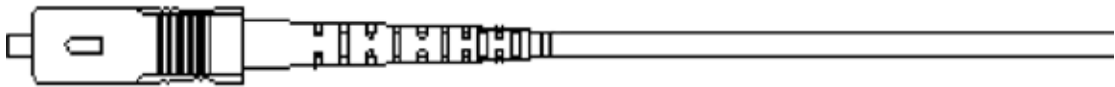


DRAW



DESCRIPTION

The SC connectors are fully compatible with existing SC hardware. Two simplex connectors can be configured into a duplex format by adding a duplex clip.

FEATURES

- Small Size, High Precision
- Zirconia 1.25mm ceramic ferrule
- Low Insertion Loss
- High Return Loss

APPLICATIONS

- Telecom and Datacom Equipment
- LAN\WAN
- Device Terminals
- CATV Networks
- Active Device Termination

SPECIFICATIONS

| Characteristics | Unit | Value/Performance | | |
|----------------------------------|------|-------------------|------|-----|
| | | SM | | MM |
| | | UPC | APC | |
| Basic | | | | |
| Insertion Loss (IL) | dB | ≤0.3 | | |
| Return Loss (RL) | dB | SPC≥45 UPC≥50 | ≥60 | ≥23 |
| Endurance | dB | ΔIL≤0.2 | | |
| Operating Temperature | °C | -20 ~ +70 | | |
| Storage Temperature | °C | -40 ~ +70 | | |
| Ferrule end-face geometry | | | | |
| Radius of Curvature (R) | mm | 7-25 | 5-12 | NA |
| Apex Offset | um | ≤50 | | NA |
| Fiber Protrusion | nm | ≤50 | ≤100 | NA |
| Fiber Under Cut | nm | ≤125@ R=7-10 | ≤100 | NA |

SPECIFICATIONS

| Mechanical | | | | | | | |
|------------------------|----------------------------|------------------------|---------------------|-----------------------|-----------------------|----------------------|---------------|
| Drop | | | | dB | | $\Delta IL \leq 0.2$ | |
| Vibration | | | | dB | | $\Delta IL \leq 0.2$ | |
| Flex | | | | dB | | $\Delta IL \leq 0.2$ | |
| Twist | | | | dB | | $\Delta IL \leq 0.2$ | |
| Pull Proof | | | | dB | | $\Delta IL \leq 0.2$ | |
| Coupling strength | | | | dB | | $\Delta IL \leq 0.2$ | |
| Static Bending | | | | dB | | $\Delta IL \leq 0.2$ | |
| Crushing | | | | dB | | $\Delta IL \leq 0.2$ | |
| Environmental | | | | | | | |
| Cold | | | | dB | | $\Delta IL \leq 0.2$ | |
| Dry Heat | | | | dB | | $\Delta IL \leq 0.2$ | |
| Damp Heat | | | | dB | | $\Delta IL \leq 0.2$ | |
| Transmission | | | | | | | |
| Characteristics | Unit | G652 SM | G655 SM | Std. 50um | 62.5um | OM2 | OM3 |
| Max. Attenuation | dB/km (nm) | 0.4/0.3 (1310/1550) | 0.3 (1550) | 2.8 (850) | 3.0 (850) | 2.8 (850) | 2.8 (850) |
| Min. Bandwidth | MHz*km (nm) | - | - | 500/500 (850/1300) | 200/200 (850/1300) | 750 (850) | 2000 (850) |
| Dispersion Coefficient | ps/ nm ² *km | ≤ 3.0 (1310nm) | 2.6-6.0 (1550nm) | - | - | - | - |

ORDER INFORMATION

| P/N | Description |
|----------|---|
| CPG-2202 | Fiber Optic Pigtail SC Multi-Mode PC OM2 2mts $\varnothing = 3.0$ mm |
| CPG-1215 | Fiber Optic Pigtail SC Multi-Mode UPC OM3 1.5mts $\varnothing = 0.9$ mm |
| CPG-1202 | Fiber Optic Pigtail SC Multi-Mode UPC OM1 2mts $\varnothing = 2.0$ mm |
| CPG-2203 | Fiber Optic Pigtail SC Multi-Mode UPC OM2 3mts $\varnothing = 3.0$ mm |
| CPG-1101 | Fiber Optic Pigtail SC Single-Mode UPC 1mt $\varnothing = 0.9$ mm |
| CPG-1102 | Fiber Optic Pigtail SC Single-Mode UPC 2mt $\varnothing = 0.9$ mm |