

SC DIAMOND CONNECTORS AND ADAPTERS

Features:

- assembled according to Active Core Alignment technology
- provide the highest transmission and operating parameters
- compliant with EN 61754-4
- SM and MM versions available with PC or APC ferrules in Simplex or Duplex configurations

Technical Specifications:

| Connector grade | 0,1 dB | Standard | | Test conditions |
|--------------------------------|-------------------------|-------------------|------------------|--|
| | | SM | MM | |
| Transmission mode | SM | SM | MM | |
| Maximum Insertion Loss IL [dB] | 0,15 | 0,25 | 0,30 | IEC 61300-3-4 SM: $\lambda = 1310 \text{ nm}/1550 \text{ nm}$ MM: $\lambda = 850 \text{ nm}/1300 \text{ nm}$ |
| Average Insertion Loss IL [dB] | 0,10 | 0,15 | 0,15 | IEC 61300-3-4 SM: $\lambda = 1310 \text{ nm}/1550 \text{ nm}$ MM: $\lambda = 850 \text{ nm}/1300 \text{ nm}$ |
| Return Loss RL [dB] | ≥ 80 for APC | ≥ 65 for APC | ≥ 20 for PC | IEC 61300-3-6 SM: $\lambda = 1310 \text{ nm}/1550 \text{ nm}$ MM: $\lambda = 850 \text{ nm}/1300 \text{ nm}$ |
| | ≥ 55 for PC | ≥ 45 for PC | | |
| Repeatability of IL [dB] | $\pm 0,1$ | | | |
| Service life | 1000 mate/demate cycles | | | Over service life |
| Operating temperature [°C] | from -40 to $+85$ | | | Depending on cable specification |
| Ferrule diameter [mm] | 2,5 | | | |

