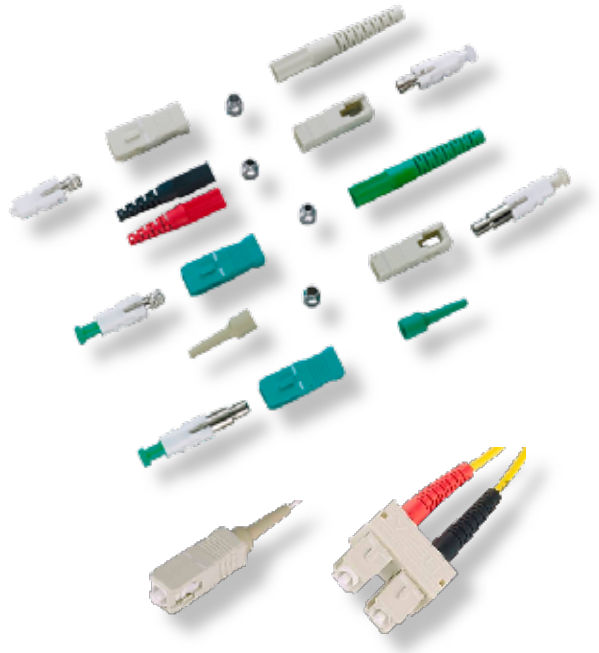


# SC Optical Fibre Connector



## Technical Specification

### Intermateability

Optically and mechanically compatible with all equivalent connectors.  
Compliant with IEC 61754-4.

### Optical Performance

#### Singlemode

Insertion loss: Max. 0.3 dB    Typical 0.2 dB

Return Loss:            UPC > 50dB            Typical 55 dB  
                                  APC > 60dB            Typical 65 dB

#### Multimode

Insertion loss: Max. 0.3 dB    Typical 0.12 dB

### Mechanical

Capillary diameter tolerance:

SM—126 ± 0.5µm

MM—127 ± 0.5µm

Ferrule Diameter: 2.5mm ± .001

Pre-radiused, PC-end finish for Physical Contact ferrule to ferrule. R 10 to 25mm

**Tensile Strength Cable retention:** >50N  
(2 & 3mm boot versions only)

### Vibration (Mated Pair):

(IEC 61300-2-1)

10-55 Hz, 1.5mm P to P  
=0.3dB Change

### Damp Heat:

(IEC 61300-2-19)

60°C at 95% RH, 96 hours  
=0.2dB Change

### Mating Durability:

(IEC 61300-2-2)

1000 mating cycles

Clean every 25

< 0.2 dB Change

### Temperature Cycling

(IEC 61300-2-48)

-40 to +85°C, 42 cycles

=0.2dB Change

### Operating Temperature

-40°C to +85°C

### High Temperature:

(IEC 61300-2-18)

75°C for 96 hours

=0.2dB Change

## Features

- ▶ Available in 2mm patch, 3mm patch and 900 µm
- ▶ Termination Procedures : Prep cable end, Epoxy-Crimp-Polish
- ▶ Standard packaging: 100pcs Bulk packed, Special packaging available by request
- ▶ Simplex & Duplex versions available  
(duplex version uses two simplex connectors with a clip to be coupled as required)
- ▶ Available in Blue, Red, Black, Green (2 & 3 mm Boot), Blue (900 mm Boot)