

FC Optical Fibre Connector



Technical Specification

Intermateability

Optically and mechanically compatible with all equivalent connectors.

Compliant with IEC 61754-13

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 0.12dB
(IEC 874-1 method)

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

High Temperature:

(IEC 61300-2-18)

75°C for 96 hours

=0.2dB Change

Operating Temperature

-40°C to +85°C

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
- ▶ Available in Black, Blue (2 & 3 mm Boot), Black, Blue, (900 mm Boot)