

FC Connector

The FC connector is used extensively in the telecommunications market, where long singlemode optical fibre cables can run upwards of 50km. In these extreme situations the connector needs to have extremely low loss and accurate geometry.

The Brotechs FC Optical Fibre connector comprises of a nickel plated brass body and a ceramic ferrule/spring/crimp barrel assembly plus a crimp over sleeve and rubber boot. These connectors are suitable for 900µm and 2 and 3mm cables. The connector is precision made and manufactured to demanding specifications. The combination of a ceramic ferrule and a precision nickel plated brass housing provides consistent long-term mechanical and optical performance.

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)

Technical Specification

Intermateability

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 0.12 dB
(IEC 874-1 method)

Temperature Cycling

(IEC 61300-2-48)

-40°C to +85°C , 42 cycles=0.2dB Change

Operating Temperature

-40°C to +85°C



Ordering Information

Connector Type	Ferrule Type	Count	Boot OD	Housing Type or Color	Boot Color
1010					
7 : FC/PC	0 : None	S : Simplex	09 : 0.9mm	1: Copper electroplating Nickel(Open)	G : Green
D : FC/APC	S : SM M : MM		20 : 2.0mm 30 : 3.0mm		B : Black

