

# SC Connector

The Brotechs SC optical fibre connector is comprised of a polymer 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 polymer housing provides consistent long-term mechanical and optical performance.

Brotechs has developed a system to couple two SC connectors to form a duplex version. This quickly converts two single connectors, allowing the user to chose between cross over or straight through patchcord configuration.

## 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)

## Technical Specification

### Intermateability

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

### 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	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	2 : SC/PC	0 : None	S : Simplex	09 : 0.9mm	G : Green	G : Green
	B : SC/APC	S : SM	D : Duplex	20 : 2.0mm	L : Blue	L : Blue
		M : MM		30 : 3.0mm	E : Beige	E : Beige

