

SC Connectors & Adaptors

The SC connector is one of the most popular connectors used today. It can be seen in every area of the communications environment, from a telecoms distribution room to a Local Area Network closet. The SC connector has set the standard for optical fibre connectors. SC connectors are manufactured using the best quality components and they exceed all areas of the standards covering optical fibre connectors.

The one-piece design features pre-radiused ceramic ferrules, and

are suitable for use with two part heat curing epoxies and cold cure anaerobic adhesives. Available with both 900 um boots for pigtail termination or 3.0 mm crimp ring & boot for patch cord production.

Simplex and duplex versions available (duplex version uses two simplex connectors with a clip to be coupled as required). Generally there are two types of alignment sleeve within an adaptor; phosphor bronze for multimode or zirconia (ceramic) for singlemode.

Features & Benefits

- Low insertion loss and return loss
- High precision alignment
- Telcordia, ANSI, TIA, NTT and JIS compliance
- Compact design
- Choice of housing material and sleeve material
- With or without flange



Product Specifications		
Versions Available	2.0 & 3.0mm patch, 900µm	
Colour	2mm & 3mm Boot	Black, Red, Blue, Green
	900µm Boot	Blue
Termination Procedures	Epoxy-crimp-polish	
Standard Packaging	100pcs bulk packed	
Singlemode	Insertion Loss	Max. 0.3dB, Typical 0.2dB
	Return Loss	UPC>-50dB, Typical>-55dB APC>-60dB, Typical 65dB
Multimode	Insertion Loss	Max. 0.3dB, Typical 0.2dB (IEC 874-1 method)
	Return Loss	UPC>-35dB, APC>-40dB
Capillary Diameter Tolerance	Singlemode	126 ± 0.5µm
	Multimode	127 +/- 0.5µm
Ferrule Diameter	2.5mm ± .001 Pre-radiused, PC-end finish for PC ferrule to ferrule. R 10 to 25mm	
Vibration (Mated Pair)	10-55 Hz, 1.5mm P to P = 0.3 dB change (IEC 61300-2-1)	
Mating Durability	1000 mating cycles - clean every 25 < 0.2 dB change (IEC 61300-2-2)	
High Temperature	75°C for 96 hours = 0.2 dB change (IEC 61300-2-18)	
Damp Heat	60°C at 95% RH, 96 hours = 0.2 dB change (IEC 61300-2-19)	
Temperature Cycling	-40 to +75°C, 40 cycles = 0.2 dB change (IEC 61300-2-48)	
Operating Temperature	-40°C to +85°C	
SC Adaptor Durability	<0.20dB typical change 1000 matings	

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Ordering Information	
Product Description	Part Number
SC SX Plug SM 900µm Blue Body - Blue Boot	FFSC3
SC/APC SX Plug SM 900µm Green Body - Green Boot	FFSC6
SC SX Plug SM 2mm Blue Body - Red Boot	FFSC6RE
SC SX Plug SM 2mm Blue Body - Blue Boot	FFSC6BL
SC SX Plug SM 3mm Blue Body - Blue Boot	FFSC2BL
SC/APC SX Plug SM 3mm Green Body - Green Boot	FFSC10
SC SX SM Adaptor Blue - Ceramic Sleeve	FFSC15
SC DX SM Adaptor Blue - Ceramic Sleeve	FFSC19
SC SX Plug MM 900µm Pigtail Beige Body - Beige Boot	FFSC3B
SC SX Plug MM 2mm Beige Body - Beige Boot	FFSC1
SC DX Plug MM 2mm Beige Body - Beige Boot	FFSC2
SC SX Plug MM 3mm Beige Body - Beige Boot	FFSC1BE
SC SX MM Adaptor Beige - Ceramic Sleeve	FFSC16
SC DX MM Adaptor Aqua - Ceramic Sleeve	FFSC18
SC DX MM Adaptor Beige - Ceramic Sleeve	FFSC20