

ST Connectors & Adaptors

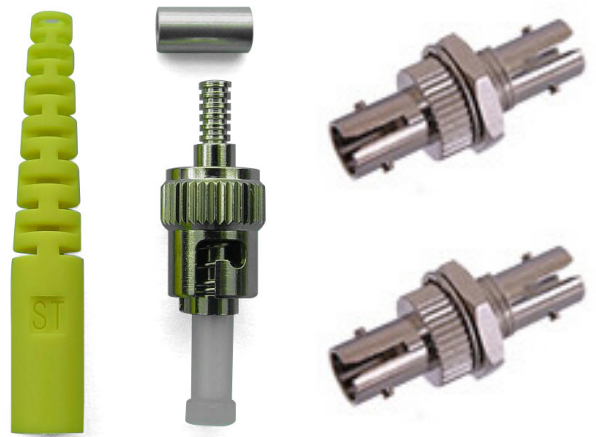
The ST Connector has been the mainstay of optical fibre connectors for many years. It can be found in almost every communications room worldwide, but used mainly in data communications systems. The ST optical fibre connector comprises of a nickel plated brass body and a ceramic ferrule/spring/crimp barrel assembly plus a crimp over sleeve and rubber boot. These connectors are suitable for 900µm and 2-3mm cables. The connector is precision made and manufactured to demanding specifications. Connectors are suitable for use with two

part heat curing epoxies and cold cure anaerobic adhesives.

The ST adaptor set the standard for optical fibre interconnects. With its simple to use bayonet locking mechanism, it preventing accidental disconnection. With the precision housing this adaptor gives the very best performance. 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
- Nickel/plastic



Product Specifications		
Versions Available	2.0 & 3.0mm patch, 900µm	
Colour	2mm & 3mm Boot	Black, Red, Blue, Yellow
	900µm Boot	Black, Blue, Yellow
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,
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	
ST Adaptor Insertion Loss	<0.20dB	
ST Adaptor Durability	<0.20dB typical change 1000 matings	

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Ordering Information	
Product Description	Part Number
ST SX Plug SM 0.9mm Yellow Cap - Blue Boot	FFST2
ST SX Plug SM 3mm Clear Cap - Yellow Boot	FFST10
ST SM Adaptor Ceramic - Yellow Caps	FFST4
ST SX Plug MM 0.9mm Red Cap - Black Boot	FFST1
ST SX Plug MM 3mm Clear Cap - Black Boot	FFST3BK
ST MM Adaptor Ceramic - Black Caps	FFST3