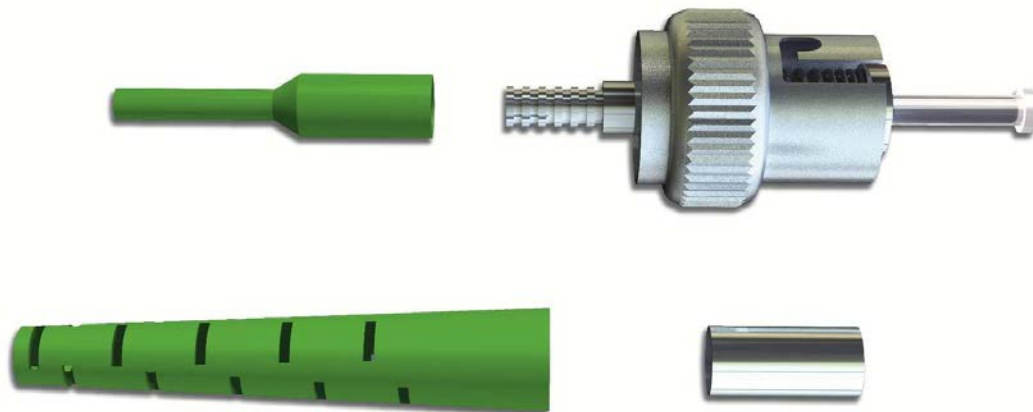


## P/N : 48 SMC STA

Optical APC 8° ST singlemode connector for 900µm & 2mm cables



P/N: 48SMCSTA

ST APC 8° connector, suitable for OS1, OS2

### Applications

MMC optical connectors are ideal for all singlemode applications. These connectors are a part of the complete optical link and suit all types of singlemode networks, like Telecom, LAN (local Area Network), WAN (Wide Area Network) and MAN (Metropolitan Area Network).

### General Characteristics

- Optically and mechanically compatible with all the equivalent adapters.
- Singlemode connector with ceramic ferrule (ZrO<sub>2</sub>) and metal body
- 900µm & 2mm green boots included (2.5mm, 2.8mm, 3mm as an option)
- Crimp termination
- Packaging : unit

### Standards compliance

Conformity to:

- IEC 60874-10,
- CECC BFOC/2.5
- Bellcore/Telcordia
- TIA/EIA
- ROHS compliance on all components and final product,
- With no hazardous substances as detailed in ROHS 2002/95/EC

## P/N : 48 SMC STA

Optical APC 8° ST singlemode connector for 900µm & 2mm cables

### Physical Properties

Types	ST
Surface of the ferrule	Angled Polished 8°
Outside diameter of the ferrule	2.5mm +/- 0.001mm
Material of ferrule	ZrO <sub>2</sub> (Zirconia / Ceramic)
Connector surface	Convex
Connection of fiber	Epoxy
Material of body	Metal
Ferrule drilling	125/126 µm
Type of boots	900µm & 2mm
Colour of boots	green
Insertion method	Bayonet

### Optical performances

Mating cycles:	> 1000 cycles. After 2000, typical increase of 0.05 dB
Return Loss	> 55.0 dB
Insertion Loss (Attenuation)	< 0.20 dB
Variations at low temperature (-10°C during 4 days)	< 0.3 dB
Variations at high temperature (60°C during 4 days)	< 0.3 dB
Variations at high humidity (90 à 95% @ 40°C during 4 days)	< 0.3 dB
Operating temperature range	-40°C to 85°C
Storage temperature range	-40°C to 90°C

### Related products

Part numbers	Description	Packaging
48 SMT ST	Singlemode ST adapter	Unit
MMC MASTER	Optical tool case	Unit



48SMTST

### Ordering information

Part number	Description	Packaging
48 SMC ST A	APC 8° Singlemode ST connector	Unit