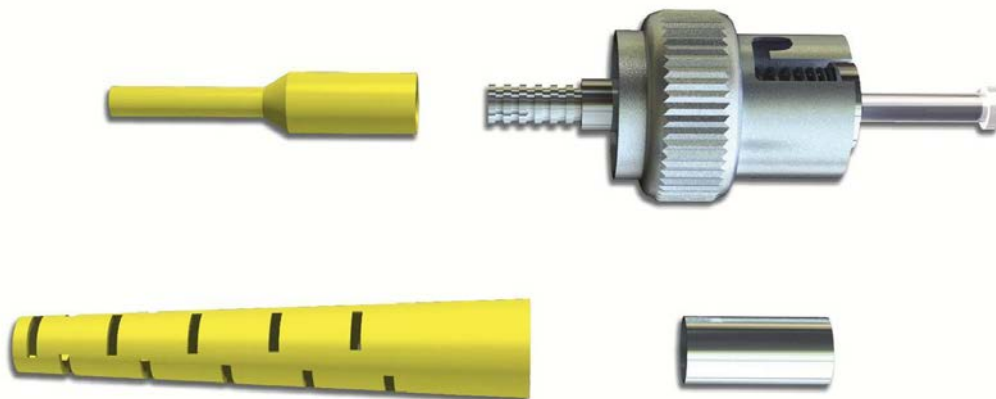


P/N : 48 SMC ST2

Optical UPC ST singlemode connector for 900µm & 2mm cables



P/N: 48SMCST2
ST UPC 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). They can be assembled thanks to the MMC MASTER heat cure tool kit, or either any other cold cure tool kit.

General Characteristics

- Optically and mechanically compatible with all the equivalent adapters.
- Singlemode connector with ceramic ferrule (ZrO_2) and metal body
- 900µm & 2mm yellow boots included (2.5mm, 2.8mm, 3mm as an option)
- Crimp termination
- Packaging : pack of 6 unit

Standards compliance

- 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

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Physical Properties

Types	ST
Surface of the ferrule	Ultra Polished
Outside diameter of the ferrule	2.5mm +/- 0.001mm
Material of ferrule	ZrO ₂ (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	Yellow
Insertion method	Bayonet

Optical performances

Mating cycles:	> 1000 cycles. After 2000, typical increase of 0.05 dB
Return Loss	> 35.0 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 – DD shape metal housing	Unit
48 SMT STS B	Multimode simplex ST adapter SCS foot print – blue PBT housing	Pack of 6
48 SMT STD B	Multimode duplex ST adapter SCD foot print – blue PBT housing	Pack of 6



48SMTST



48SMTSTSB



48SMTSTDDB

Ordering information

Part number	Description	Packaging
48 SMC ST2	UPC Singlemode ST connector	Pack of 6