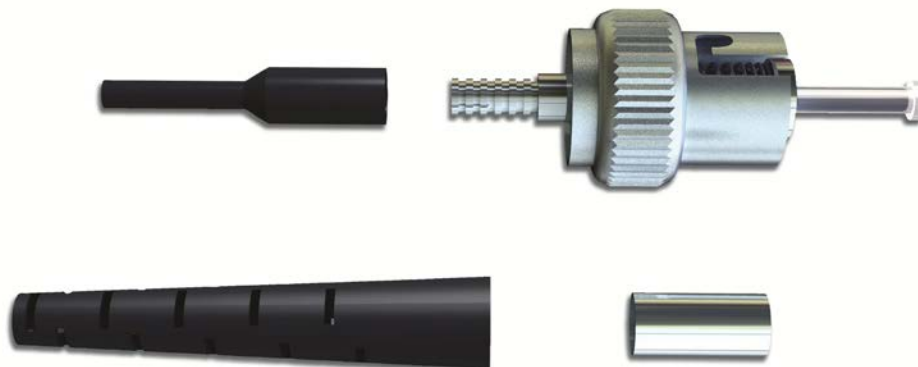


P/N : 48 MMC ST

Optical UPC ST multimode connector for 900µm &amp; 2mm cables



P/N: 48MMCST

ST UPC connector, suitable for OM1, OM2, OM3, OM4

## Applications

MMC optical connectors are ideal for all multimode applications. These connectors are a part of the complete optical link and suit all types of multimode networks, like Telecom, LAN (local Area Network), WAN (Wide 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.
- Multimode connector with ceramic ferrule (ZrO<sub>2</sub>) and metal body
- 900µm & 2mm black boots included
- Crimp termination
- Packaging : pack of 6 units

## Standards compliance

- IEC 60874-10,
- CECC BFOC/2.5
- Bellcore/Telcordia
- TIA/EIA 604-3, TIA/EIA 568
- ISO/IEC 11801 2<sup>nd</sup> Ed Amd 1.0, Amd 2.0
- With no hazardous substances as detailed in ROHS 2002/95/EC

### Physical Properties

Types	ST
Surface of the ferrule	Ultra Polished
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	127/128 µm
Type of boots	900µm & 2mm
Colour of boots	Black
Insertion method	Bayonet

### Optical performances

Mating cycles:	> 1000 cycles. After 2000, typical increase of 0.05 dB
Return Loss	> 25 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 MMT ST	Multimode simplex ST adapter DD shape – metal housing	Pack of 6
48 MMT STS BE	Multimode simplex ST adapter SCS foot print – beige PBT housing	Pack of 6
48 MMT STD BE	Multimode duplex ST adapter SCD foot print– beige PBT housing	Pack of 6



48MMTST



48MMTSTSBE



48SMTSTD BE

### Ordering information

Part number	Description	Packaging
48 MMC ST	UPC Multimode ST connector	Pack of 6