



P/N: 48SMCSCD

SC UPC duplex connector, suitable for OS1, OS2 & G657

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 (ZrO₂) and blue composite body
- 900µm, 2mm & 3mm black boots included
- Crimp termination
- Packaging : pack of 6 units

Standards compliance

- IEC 60874-14,
- CECC BFOC 86260
- Bellcore/Telcordia
- TIA/EIA 604-3, TIA/EIA 568
- With no hazardous substances as detailed in ROHS 2002/95/EC

Physical Properties

Types	SC
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	Composite, blue housing
Ferrule drilling	125/126 µm
Type of boots	900µm, 2mm & 3mm
Colour of boots	black
Insertion method	Push-pull

Optical performances

Mating cycles:	> 1000 cycles. After 2000, typical increase of 0.05 dB
Return Loss	> 40.0 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 80°C
Storage temperature range	-40°C to 90°C

Related products

Part number	Description	Packaging
48 SMT SCD	UPC Singlemode duplex SC adapter	Pack of 6
MMC MASTER	Optical tool case	Unit



48SMTSCD



MMC MASTER

Ordering information

Part number	Description	Packaging
48 SMC SCD	UPC Singlemode duplex SC connector	Pack of 6