

P/N : 48 SMC LCD

Optical UPC LC duplex singlemode connector for 2mm / 3mm cables



P/N: 48SMCLCD

LC UPC duplex connector, suitable for OS1, OS2 and 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
- 2mm and 3mm black boot included
- Crimp termination
- Packaging : pack of 6 units

Standards compliance

- IEC 61754-20,
- Bellcore/Telcordia
- TIA/EIA 604.10
- With no hazardous substances as detailed in ROHS 2002/95/EC

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Physical Properties

Types	LC
Surface of the ferrule	Ultra Polished
Outside diameter of the ferrule	1.25mm +/- 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	2mm and 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	> 35.0 dB
Insertion Loss (Attenuation)	< 0.10 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 LC D	UPC Singlemode duplex LC adapter	Unit
48 SMT LC Q	UPC Singlemode quad LC adapter	Unit
MMC MASTER	Optical tool case	Unit



48SMTLCD



MMC MASTER



48SMTLCQ

Ordering information

Part number	Description	Packaging
48 SMC LCD	UPC Singlemode duplex LC connector	Unit