



LC CONNECTOR



Singlemode

STRUCTURE DIAGRAM

Pigtails



Simplex Patchcords



Duplex Patchcords



DESCRIPTION

The D-CONNECT LC connector is a small form factor fibre optic connector. The LC connector helps to reduce space on panels or outlets by 50%. It is cost effective as it simplifies movement, addition and modification. It uses the standard RJ-style telephone connector which gives an audible click upon engaging.

D-CONNECT manufactures a range of LC connectors suitable for various applications. The LC connector uses a 1.25mm ferrule which is half the diameter of the standard ferrule. The D-CONNECT LC connectors are available in singlemode for both PC and APC and in multimode PC. The connectors come with standard boots suitable for 900um and 2mm cable diameters. The connector are also available in simplex and duplex (with clips) options.

FEATURES

- Complies with IEC 61754-20 and TIA 604-10-A
- Compact design based on RJ45 style interface
- Low insertion loss and back reflection
- Zirconia ceramic ferrule with high end PC finish
- RoHS, REACH SvHC compliant
- Available in standard colours and standard packaging

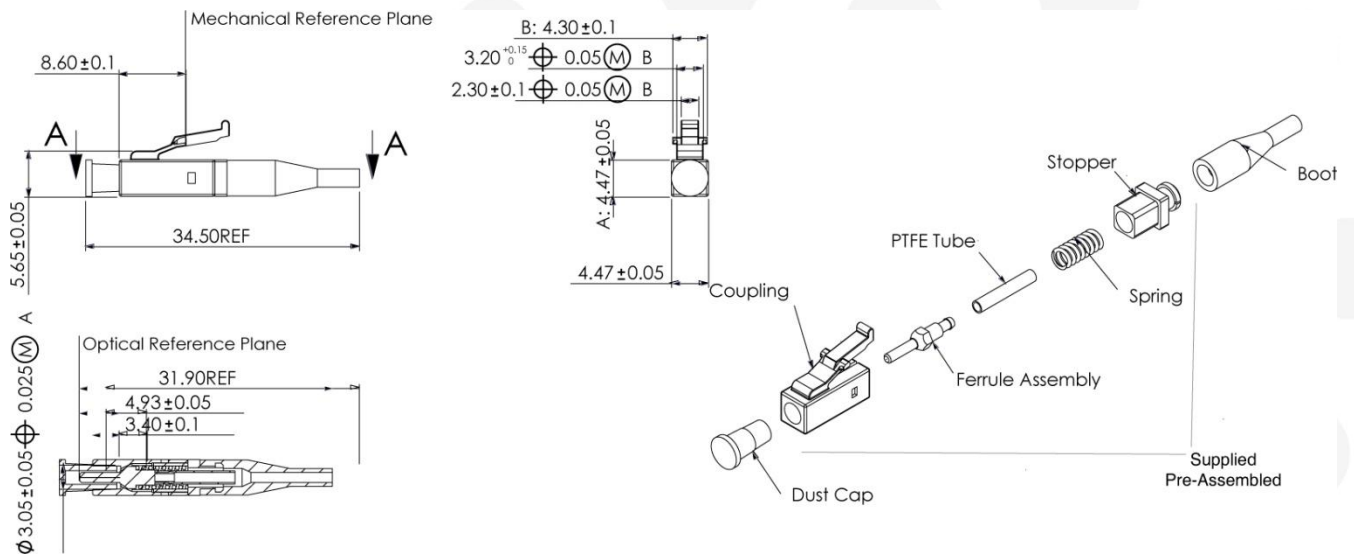
APPLICATIONS

- Telecommunications networks
- CATV, LAN, MAN and WAN application
- Data processing networks
- Cable television
- Fibre-to-the-home
- Premises distribution

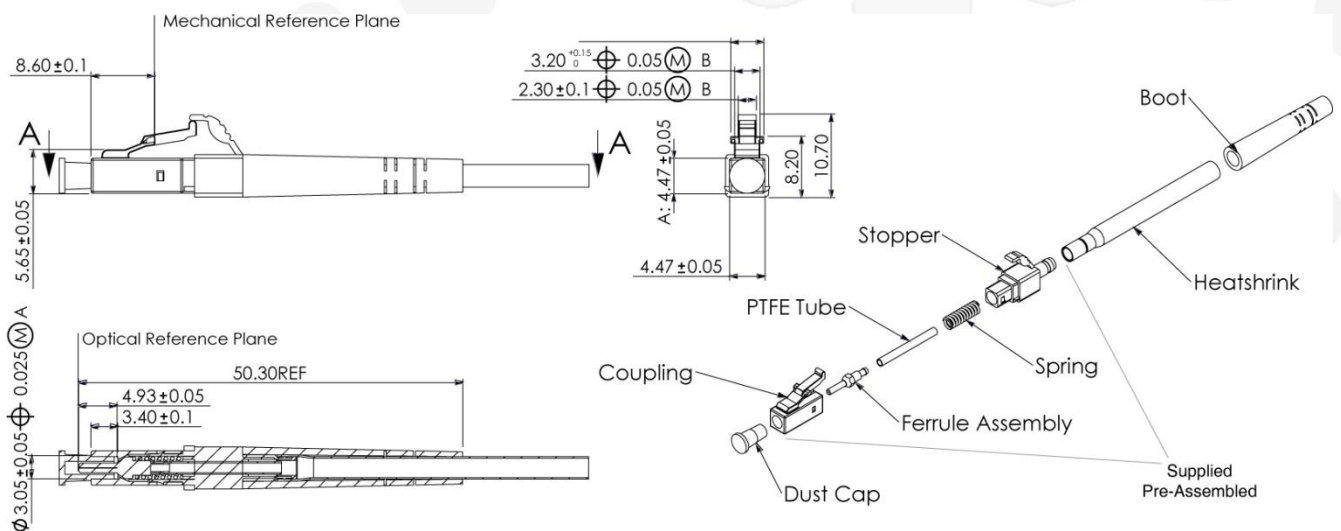


TECHNICAL DRAWINGS

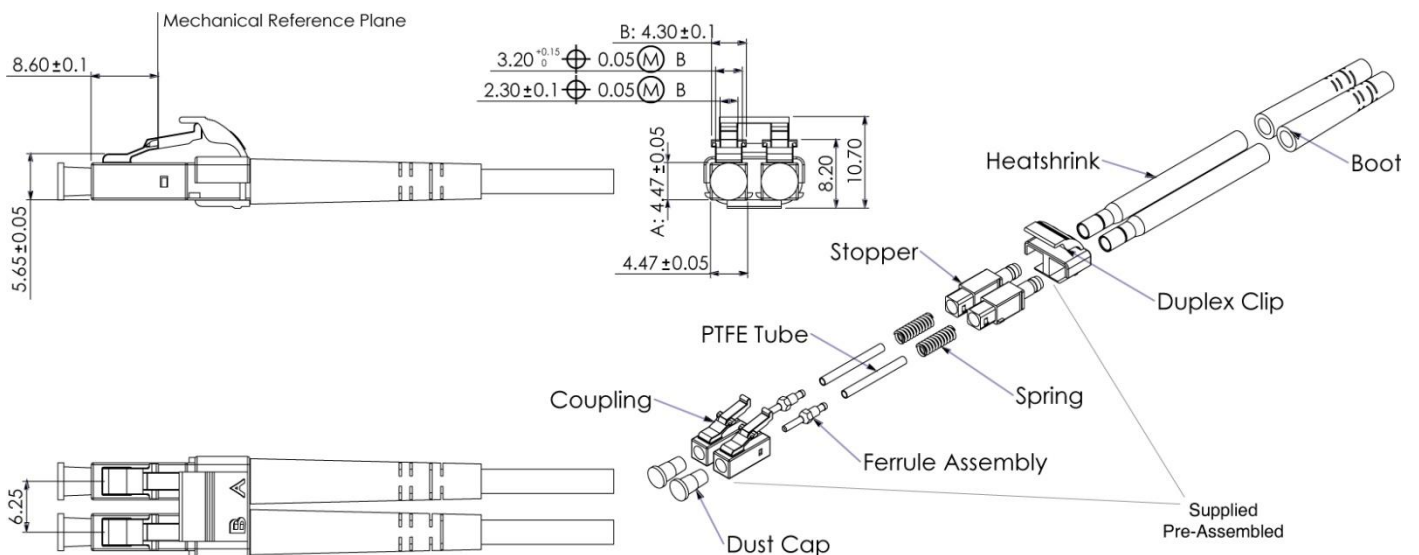
LC Pigtail Connector



LC Simplex Connector



LC Duplex Connector





TECHNICAL SPECIFICATIONS

ITEM			
Mechanical Properties	Criteria	Effect	Conformance
Mechanical endurance	500 matings	<0.2 dB change	IEC 61300-2-2
Vibration	10-55Hz, 0.75 amplitude	<0.2 dB change	IEC 61300-2-1
Drop	Drop height 1m, 5 drops	<0.2 dB change	IEC 61300-2-12
Cable retention	Magnitude 90 N	<0.2 dB change	IEC 61300-2-4
Cable torsion	1.5kg - 2.5kg for 2mm-3mm cable diameter	<0.2 dB change	IEC 61300-2-5
Operating temperature	-25 to +70, 12 cycles	<0.2 dB change	IEC 61300-2-22
Cold	-25 for 96 hrs	<0.2 dB change	IEC 61300-2-17
Dry Heat	+70 for 96 hrs	<0.2 dB change	IEC 61300-2-18

LC CONNECTOR PC AND APC- SINGLEMODE

ITEM				
Optical Performance	High Performance	Premium	Standard	Conformance
Insertion loss (Typ)	0.10 dB	0.15 dB	0.25 dB	IEC 61300-3-4
Insertion loss (97%)	0.20 dB	0.30 dB	0.40 dB	IEC 61300-3-4
Ave/Master	0.08 dB	0.12 dB	0.18 dB	IEC 61300-3-4
Ave/Random	0.08 dB	0.12 dB	0.18 dB	IEC 61300-3-4
Return Loss	55/70 dB	55/65 dB	55/65 dB	IEC 61300-3-6

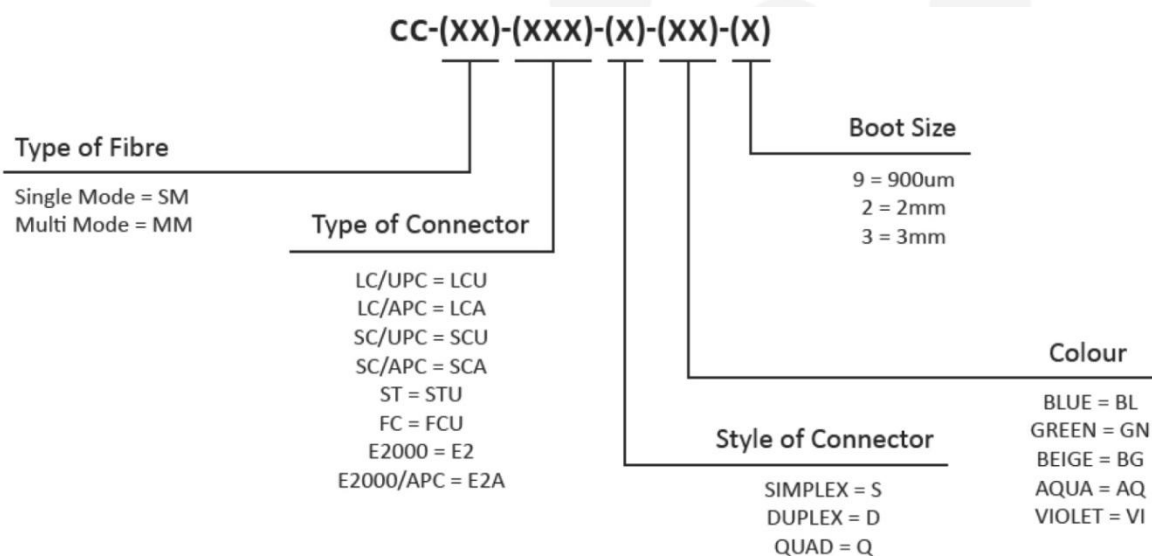
LC CONNECTOR PC - MULTIMODE

ITEM			
Optical Performance	Premium	Standard	Conformance
Insertion loss (Typ)	0.15 dB	0.30 dB	IEC 61300-3-4
Insertion loss (97%)	0.25 dB	0.40 dB	IEC 61300-3-4
Ave/Master	0.08 dB	0.15 dB	IEC 61300-3-4
Ave/Random	0.10 dB	0.20 dB	IEC 61300-3-4



ORDERING INFORMATION

CONNECTORS



Part Number: CC-SM-SCA-S-GN-2