



FC CONNECTOR

STRUCTURE DIAGRAM



DESCRIPTION

The D-CONNECT FC features a 2.5 mm ferrule and a threaded coupling nut, for a secure connection in high vibration environments and in lab testing for consistent results.

D-CONNECT manufactures a range of FC connectors suitable for various applications.

The FC connectors are available in singlemode both PC and APC and multimode PC. The connectors come with standard D-CONNECT boots suitable for 900µm, 2mm and 3mm cable diameters. The FC connectors are available in standard colours like blue, green and beige.

FEATURES

- Complies with IEC 61754-13 and TIA 604-4-A
- Low insertion loss and back reflection
- Precision anti rotation key
- Nickel plated metal body corrosion resistant
- Zirconia ceramic ferrule with high end PC finish4.
- 2.06mm narrow key
- RoHS, REACH SvHC compliant

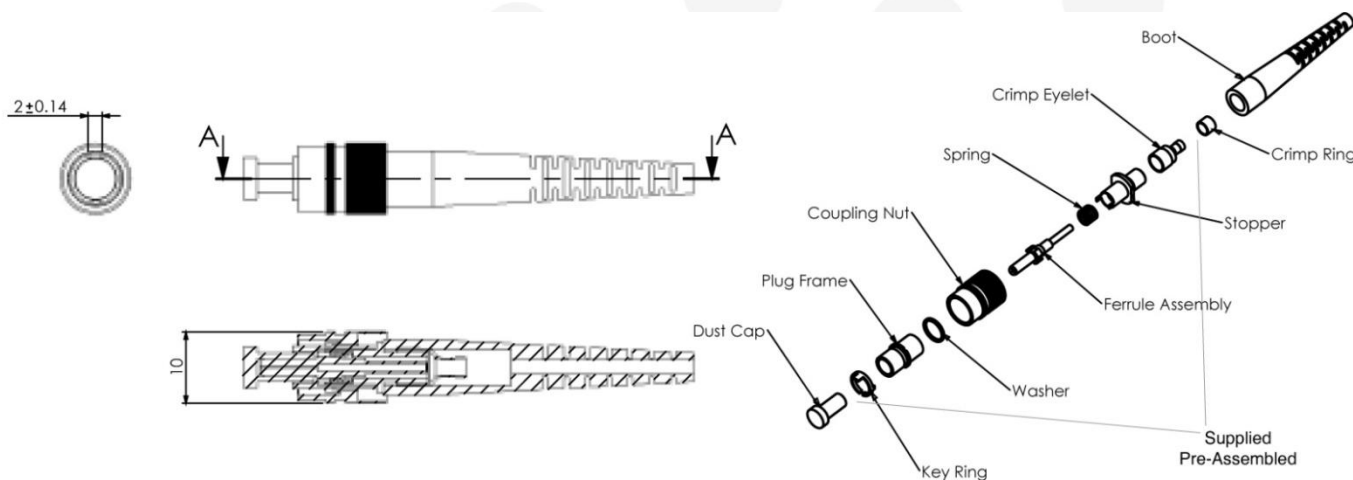
APPLICATIONS

- Telecommunications networks
- Local area networks
- Data processing networks
- Distribution application
- Premises distribution
- Test and laboratory equipment

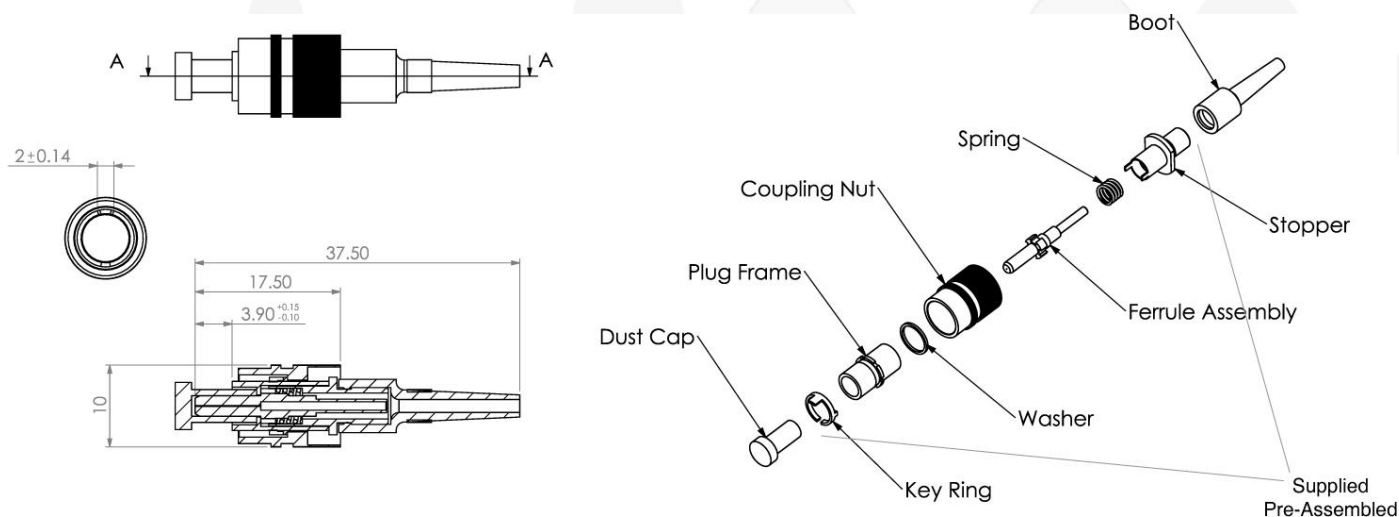


TECHNICAL DRAWINGS

FC Connector



FC Pigtail 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



FC CONNECTOR PC AND APC- SINGLEMODE

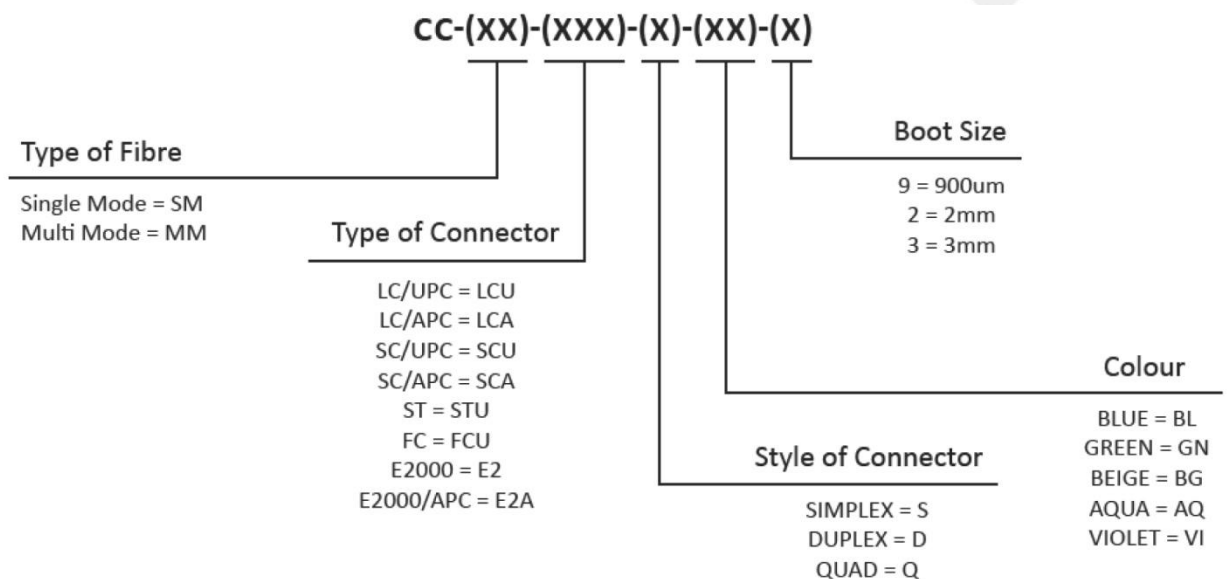
				ITEM
Optical Performance	High Performance	Premium	Standard	Conformance
Insertion loss (Typ)	0.10 dB	0.15 dB	0.25 dB	IEC 61300-3-4
Insertion loss (97%)	0.20 dB	0.30 dB	0.40 dB	IEC 61300-3-4
Ave/Master	0.08 dB	0.12 dB	0.18 dB	IEC 61300-3-4
Ave/Random	0.08 dB	0.12 dB	0.18 dB	IEC 61300-3-4
Return Loss	55/70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

FC CONNECTOR - 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

Website: www.tnstechltd.com