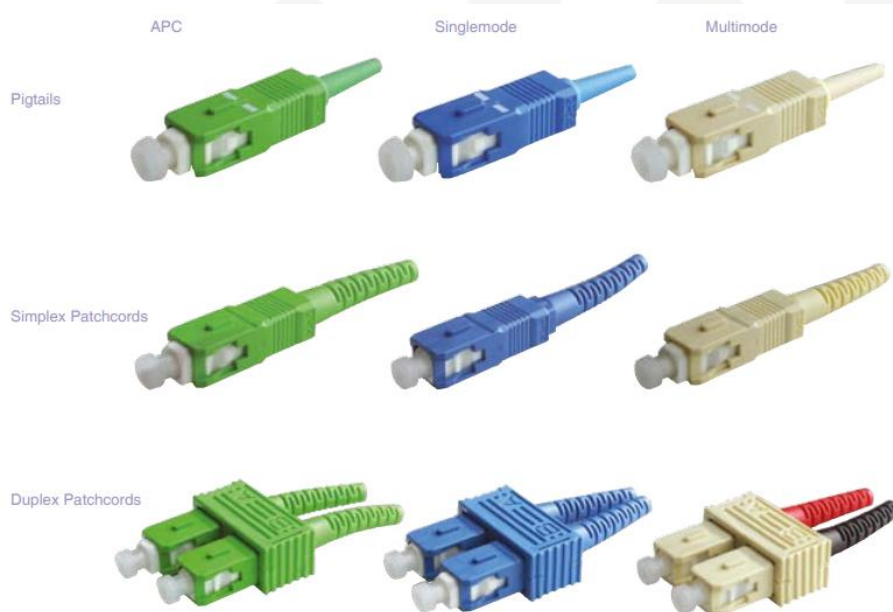




SC CONNECTOR

STRUCTURE DIAGRAM



DESCRIPTION

D-CONNECT manufactures a range of SC connectors suitable for various applications. SC connectors are used in most of the newer network applications and with less parts and a plastic body it offers an economical option. The SC connectors are available in singlemode for both PC and APC and in multimode PC. The connectors come with standard D-CONNECT boots suitable for 900µm, 2mm and 3mm cable diameters.

The D-CONNECT SC connector is available in standard colours including blue, green and beige.

FEATURES

- Complies with IEC 61754-4, IEC 60784-14 and TIA 604-3
- A push-pull coupling mechanism for easy insertion and consistent connection
- Zirconia ceramic ferrule with high end Ultra
- Physical Contact (UPC) finish
- Low insertion loss and back reflection
- RoHS, REACH SvHC compliant
- Available in standard colours and standard packaging

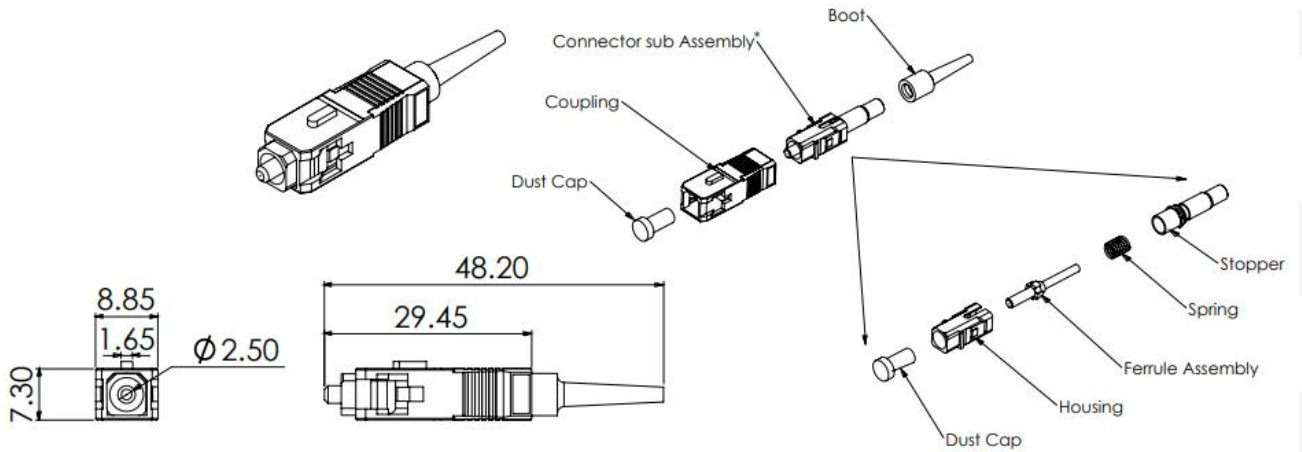
APPLICATIONS

- Data centres, premise installations, telecommunication networks
- Ethernet, fibre channel, ATM, LAN, MAN and WAN



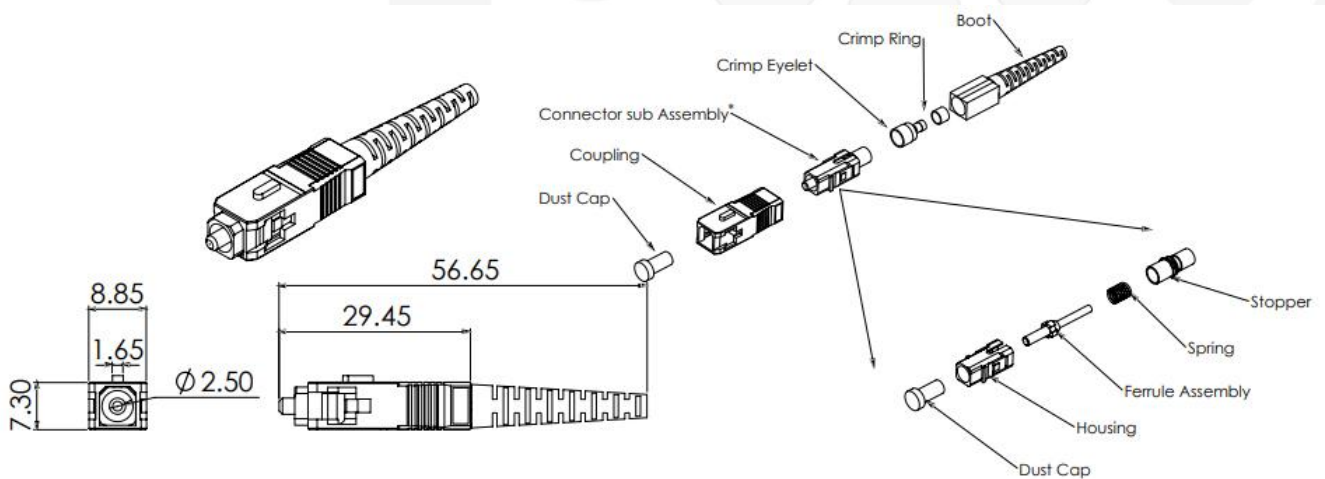
TECHNICAL DRAWINGS

SC Pigtail Connector (900µm)



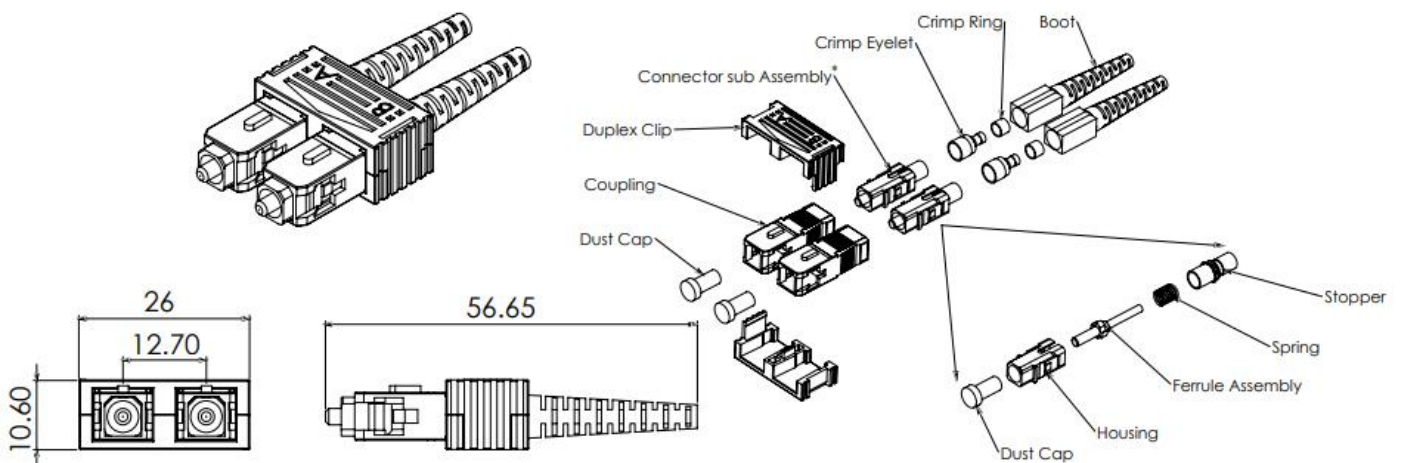
*Supplied assembled

SC Simplex Connector (2mm / 3mm)



*Supplied assembled

SC Duplex Connector (2mm / 3mm)



*Supplied assembled



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

SC 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 61300-3-34
Return Loss	55/70 dB	55/65 dB	55/65 dB	IEC 61300-3-6

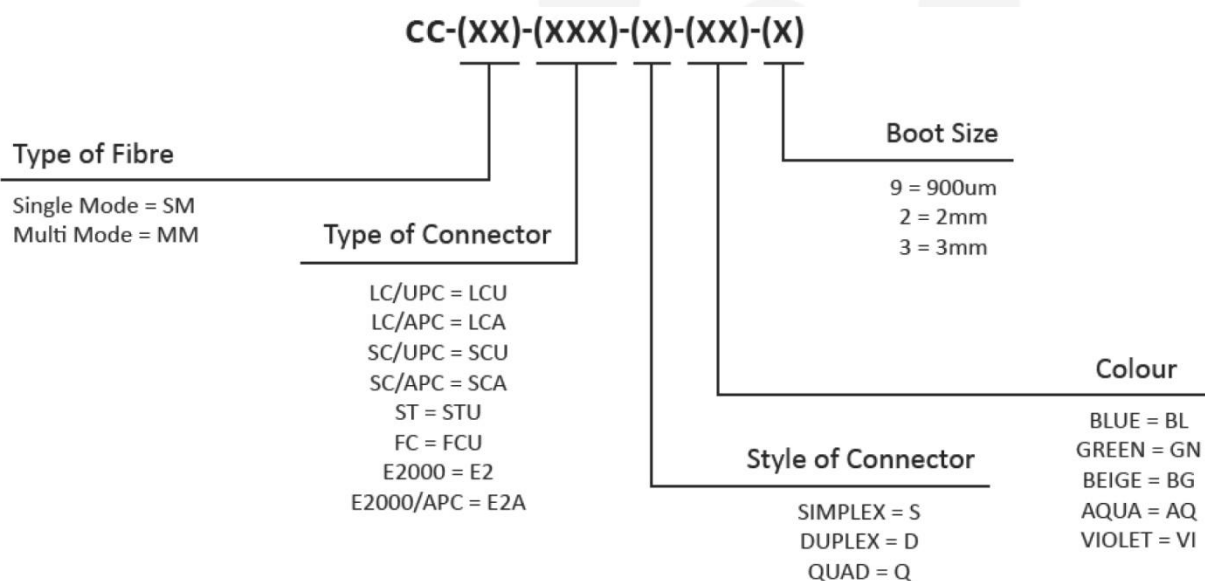
SC CONNECTOR PC - MULTIMODE

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