



DESCRIPTION

High performance and quality of connectors cable assembly is required for next generation optical network to assure long term reliability for demanding applications such as FTTx, DWDM, 100G, CATV and etc

The connectors assembly are Telcordia and RoHS compliant. The termination passed end faced inspection and 100% test for Insertion Loss (IL) and Optical Return Loss (ORL)

FEATURES

- Available in FC, SC, ST, LC, SMA, E2000, MU and MT-RJ
- Available in Simplex, Duplex and Hybrid Version
- High precision zirconia (except MT-RJ with thermoplastic)
- Low insertion loss
- High repeatability and stability
- Premium connector with ORL 55dB for UPC and 65dB for APC
- Standard connector with ORL 50dB for UPC and 60dB for APC

SPECIFICATIONS

Connector	FC, SC, ST, LC, MU, SMA, E2000				MT-RJ		
Fiber Type	SM				MM	SM	MM
Polishing	Standard UPC	Premium UPC	Standard APC	Premium APC	PC	PC	
Insertion Loss (dB)	Typical ≤ 0.2 Max ≤ 0.3	≤ 0.2	Typical ≤ 0.2 Max ≤ 0.3	Typical ≤ 0.2 Max ≤ 0.3	≤ 0.25	Typ. 0.3 Max 0.5	
Return Loss (dB)	≥ 50	≥ 55	≥ 60	≥ 65	-	≥ 35	-
Cable Diameter (mm)	Φ3, Φ2, Φ0.9				Φ2, Φ3		
Exchangeability (dB)	≤ 0.2 dB (Randomly connected)						
Vibration	≤ 0.2 dB (5~50Hz, 1.5mm amplitude)						
Temp. Range	≤ 0.2 dB (-40°C ~ 80°C, 21 Cycles)						

FERULE SPECIFICATIONS

End-face Polishing		PC	UPC	Standard APC	Premium APC
Radius of Curvature (mm)	SC	5~30	10~25mm	5~12mm	5~12mm
	LC	5~30	7~25mm	5~12mm	5~12mm
Apex Offset (μm)		≤ 70μm	≤ 50μm	≤ 70μm	≤ 50μm
Fiber Undercut		-90nm (Undercut)		+50nm (Protrusion)	
Angle Deviation		—		8° ± 0.5°	

Note : Specifications are subject to change without notice

ORDERING INFORMATION

Example :-

Pigtail :SCU-A1S9L0030S *Pigtail come with one end only

Patch Cord :SCUSCU-A1S9L0030S

