

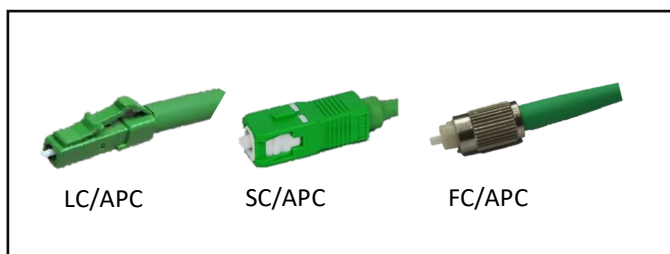
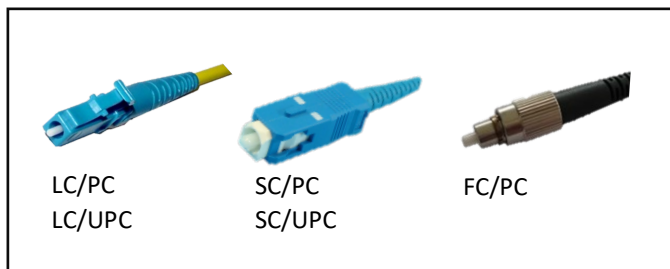
Optical Assemblies (Bunch Pigtails)

Optical cable assemblies (Bunch Pigtails) are the base passive products in optical communication system. CISFIBER Infra Solution's provides a broad variety of cable assemblies including SC, FC, LC with Ultra-polished, Angle-polished (APC) or other polish requirement for use in FTTx, telecommunications, data communications and CATV applications.

Fiber Optic Cabling: Patch Cords and Pigtails



All materials are RoHS Compliant



ST connector types are available on request.

Performance Specification:

Connectors comply to IEC 61754-20, IEC 61754-4 & IEC 61754-13 respectively.

Products comply to ISO/IEC 11801

Multimode	Fiber type	Max . Attenuation (dB)	Min. Return Loss (dB)
LC, SC, FC (PC)	OM1,OM2	0.30	20
FC (PC)	OM3,OM4	0.30	20
LC, SC (PC)	OM3,OM4	0.30	35

Singlemode	Fiber type	Max . Attenuation (dB)	Min. Return Loss (dB)
LC, SC, FC (PC)	OS1/OS2	0.30	45
LC, SC (UPC)	OS1/OS2	0.30	50
LC, SC, FC (APC)	OS1/OS2	0.30	60

IL/RL are measured against reference connectors

Typical Characteristics:

Item	Specification
Mating Durability	500 cycles
Operating temperature	-20°C to +60°C
Storage temperature	-20°C to +60°C

Endface Geometry Specification:

Parameter	Specification	
	UPC	APC
Endface	UPC	APC
Radius of curvature	5mm ≤ R ≤ 30mm	5mm ≤ R ≤ 12mm
Apex Offset	< 50µm	< 50µm
Spherical height	-100nm to +100nm	-100nm to +100nm
Polish Angle	NA	8° (+/-0.3)

Colour Combinations:



ORDERING GUIDE

1. Bunch Coloured Pigtails



12 Fiber Bunch Coloured Pigtails

PTB															
Product Family		Connector 1		Cable Type		Bundle Count		Fiber Type		Jacket Material		Length			
Type	Catalog Code	Type	Catalog Code	Cable Construction	Catalog Code	Fiber Count	Catalog Code	Fiber Type	Catalog Code	Jacket Material	Catalog Code	Length	UoM		
Pigtail Bunch	PTB	SC/UPC*	SCU	900 micron Buffer	9B	6 Fiber	6F	SM OS1/OS2 G652D	2D	PVC	PV	XXXM	M		
		SC/PC	SCP			8 Fiber	8F	SM G657A1	A1					DXXM	M
		SC/APC*	SCA			12 Fiber	12F	OM1	M1						
		LC/UPC*	LCU			OM2	M2								
		LC/PC	LCP			OM3	M3								
		LC/APC*	LCA			OM4	M4								
		FC/UPC*	FCU												
		FC/PC	FCP												
		FC/APC*	FCA												
		ST/PC	STP												
*UPC and *APC version only available with SM Fiber only															