

Infinite Fiber

Fiber Patch Cord & Pigtail

Features:

- Precision ferrule endface geometry
- Factory polished, tested and serialized
- Standard and custom configurations
- Wide variety of connector and cable types offered
- Available in Multi mode (MM) and Single mode (SM)
- LSZH sheath complies with
 - Flammability ASTM D-2863, BS EN ISO 4589-3
 - Flame propagation IEC 60332-1 & 3C
 - Gas Emission IEC 60754-1 & 2
 - Smoke Emission IEC 61034-2

Applications:

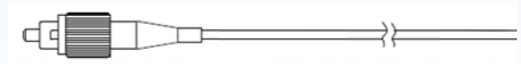
- Data center application
- School campus application
- Local area network
- Telecommunications
- FTTX, GPON, NGN



Connector Type:



(Remarks: Other connector types are available upon request)



FC Pigtail



SC-SC Simplex Patch Cord



SC-SC Duplex Patch Cord

Mechanical Characteristics:

(It conforms to the requirement of IEC 60794)

Parameter	Value
Sheath Material	PVC / LSZH
Connector Type	SC, ST, LC, FC, MTRJ etc
Ferrule	Zirconia Ceramic
Strength Member	Aramid Yarn
Bending radius	≥ 40mm

Optical Characteristics:

Fiber connector (It conforms to the requirement of IEC60874)

Item	Single Mode	Multi Mode
Insertion Loss (Average)	≤ 0.3 dB	
Insertion Loss (Maximum)	≤ 0.5 dB	
Return Loss (Average)	≥ 55 dB	≥ 22 dB
Return Loss (Minimum)	≥ 50 dB	≥ 20 dB
Life Expected	≥ 20 years	
Repeatability	change in attenuation ≤ 0.2 dB after 500 matings	
Fiber Pull Out Strength	10N	
Operating Temperature	-20 to 60°C	

Single Mode Fiber:

(It conforms to the requirement of ITU-T G.652D, IEC 60793)

Parameter	Condition	Value
Attenuation	@ 1310nm	≤ 0.36 dB/km
	@ 1550nm	≤ 0.22 dB/km
Cutoff Wavelength	-	< 1260 nm
Mode Field Diameter (MFD)	@ 1310nm	9.2 ± 0.4 μm
Cladding Diameter	-	125 ± 1.0 μm
Polarization Mode Dispersion (PMD)	-	≤ 0.20 ps/√km
Chromatic Dispersion	@ 1285 – 1330 nm	≤ 3.5 ps/nm.km
	@ 1550 nm	≤ 18 ps/nm.km

Multi Mode Fiber:

(It conforms to the requirement of ITU-T G.651, IEC 60793)

Fiber type	Core Diameter (μm)	Wavelength (nm)	Attenuation (dB/km)	Numerical Aperture	Bandwidth (MHz.km)
OM1	62.5/125	850	≤ 3.0	0.26 ~ 0.29	≥ 200
		1300	≤ 0.9		≥ 500
OM2	50/125	850	≤ 2.7	0.18 ~ 0.24	≥ 500
		1300	≤ 1.0		≥ 800
OM3 (10G/300M)	50/125	850	≤ 2.7	0.18 ~ 0.24	≥ 1500
		1300	≤ 1.0		≥ 500

Ordering Information:

Part No.	Product code	Description	Remark
INF3311 – APAPPSFL	INF-311#	2.0mm Fiber Patch Cord, Simplex	-
INF3312 – APAPPSFL	INF-311#	3.0mm Fiber Patch Cord, Simplex	-
INF3321 – APAPPSFL	INF-321#	2.0mm Fiber Patch Cord, Duplex	-
INF3322 – APAPPSFL	INF-321#	3.0mm Fiber Patch Cord, Duplex	-
INF3331 – APFL	INF-331#	0.9mm Fiber Pigtail	-
INF3312 – SUSUVD0010	INF-311-SM-SC-SC-0010V	SC/UPC-SC/UPC 3.0mm Fiber Patch Cord, Simplex, G652D, PVC, 1m	Example
INF3321 – FULULD0010	INF-321-SM-FC-LC-0010S	FC/UPC-LC/UPC 2.0mm Fiber Patch Cord, Duplex, G652D, LSZH, 1m	Example
INF3321 – LUTUL30030	INF-321-OM3-LC-ST-0030S	LC/UPC-ST/UPC 2.0mm Fiber Patch Cord, Duplex, OM3, LSZH, 3m	Example
INF3331 – SUD0010	INF-331-SM-SC-0010	SC/UPC 0.9mm Fiber Pigtail, G652D, 1m	Example
Options			
A -Connector Type	F= FC ; L= LC ; S= SC ; T=ST < Follow in alphabetical order >		
P -Polishing (Ferrule)	A= APC ; U= UPC		
S -Sheath material	E= PE ; L= LSZH ; V= PVC		
F -Fiber type	<SM> D= G652D ; <MM> 3= OM3 ; 4= OM4 ; 5= OM2 (50/125) ; 6= OM1(62.5/125)		
L -Length (m)	0010=1m ; 0015=1.5m ; etc.		