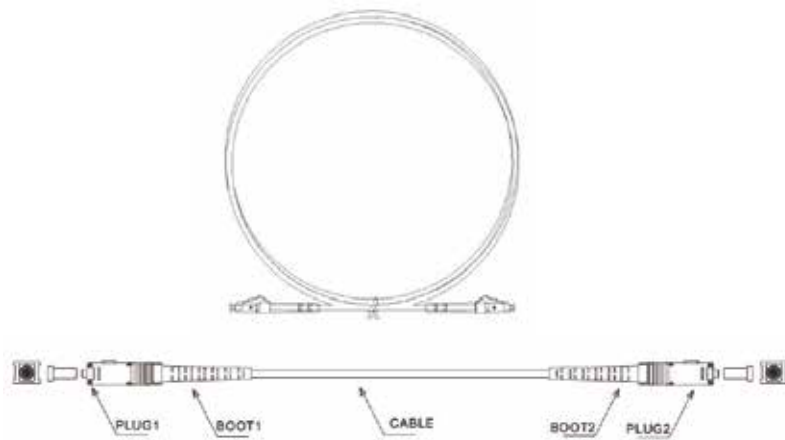


Simplex Patch Cord SC/UPC-SC/APC

linkedpro
by epcor[®]

Model: LP-F0-SCU-SCA-01



Fiber Parameters

Category	Description	Specifications	
		Before Cable	After Cable
Optical Specifications	Attenuation @1310 nm	≤0.35 dB/km	≤0.40 dB/km
	Attenuation @1550 nm	≤0.21 dB/km	≤0.30 dB/km
	Fiber irregularities point and whole length @1310 nm & 1550 nm	≤0.05dB	
	Attenuation inhomogeneity @1310 nm & 1550 nm	≤0.05dB	
	Dispersion coefficient	@1310nm ≤3.5ps/nm-km @1550nm ≤18ps/nm-km	
	Zero Dispersion Wavelength	1300~1322 nm	
	Zero Dispersion Slope	≤ 0.091 ps/nm ² -km	
	Cable Cutoff Wavelength (λ _{cc})	≤1260 nm	
	Macro bending Loss (1 turn; Φ16 mm) @1550 nm	≤ 0.05 dB	
	(100 turns; Φ25 mm) @1310 nm	≤ 0.05 dB	
(100 turns; Φ25 mm) @1550 nm	≤ 0.05 dB		
(100 turns; Φ30 mm) @1625 nm	≤ 0.05 dB		
Mode Field Diameter @1310 nm	8.8±0.4μm		
Dimensional Specifications	Cladding Diameter	125±1.0μm	
	Cladding non circularity	≤1.0%	
	Core/clad concentricity error	≤0.6μm	
Mechanical Specifications	Proof stress	≥1.05%	
	Fatigue Resistance Parameter (Nd)	≥22	
	Peak Coating Strip Force	1.3~8.9N	

*G.657 A1 , G.657 A2 and other type of fiber is optional for customers.

Simplex Patch Cord SC/UPC-SC/APC

Model: LP-F0-SCU-SCA-01

Cable Parameters

Items		Specifications
	Fiber Count	1 Core
Colored Coating Fiber	Dimension	250µm±15µm
	Color	Natural
Tight Buffer	Material	PVC
	Color	White or As Customers' Request
	Dimension	0.90±0.05mm
Strength Member	Material	Aramid Yarn
	Color	Yellow
Outer Jacket	Dimension	2.0±0.05mm
	Material	LSZH Or PVC
	Color	Yellow
Marking	Material	Ink Jet
	Color	Black

Mechanical and Environmental Characteristics

Type	SC-APC	SC-UPC
Insertion loss	≤0.3dB	≤0.3dB
Return loss	≥60dB	≥50dB
Exchangeability	≤0.2dB	≤0.2dB
Repeatability	≤0.2dB	≤0.2dB
Vibration test	<0.10dB(10-60Hz,1.5mm amplitude)	<0.10dB(10-60Hz,1.5mm amplitude)
Drop test	<0.10dB (Height:1.5m, 8 times)	<0.10dB (Height:1.5m, 8 times)
Tensile strength	<0.10dB (68.6N, 10 min)	<0.10dB (68.6N, 10 min)
Mechanical Durability	<0.20dB (>500 times)	<0.20dB (>500 times)
High-Temperature test	<0.20dB(+85℃, Last 168 hours)	<0.20dB(+85℃, Last 168 hours)
Low-Temperature test	<0.20dB(-40℃, last 168 hours)	<0.20dB(-40℃, last 168 hours)

Regulatory Compliance / Certificate

ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system
IEC 60794-1	Optical fiber cables-Generic specification - Mechanical tests methods