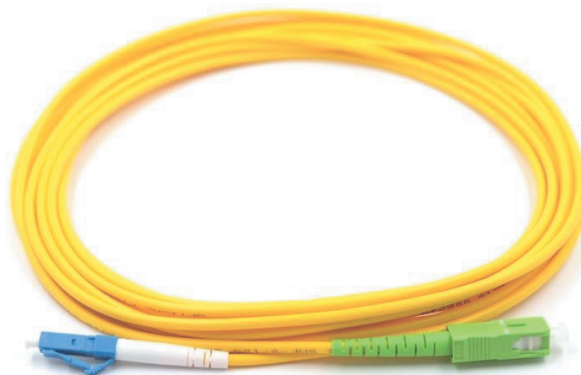
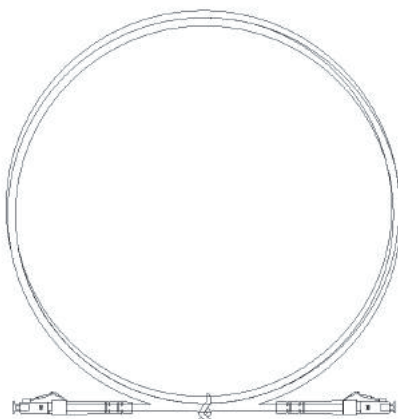


Simplex Jumper LC/UPC-SC/APC

linkedpro
by epcom®

Model: LP-FO-LCU-SCA-01



Fiber Parameters

Category	Description	Especifications	
		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	≤0.05 dB/km	
	Attenuation inhomogeneity @1310 nm & 1550 nm	≤0.05 dB/km	
	Dispersion coefficient	@1310 nm ≤3.5ps/nm·km @1550 nm ≤18ps/nm·km	
	Zero dispersion wavelength	1300~1322 nm	
	Zero dispersion slope	≤0.091ps/nm²·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	
Dimensional Specifications	(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	
Mechanical Specifications	Cladding diameter	125±1.0μm	
	Cladding non circularity	≤1.0%	
	Core / clad concentricity error	≤0.6μm	
	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.

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Cable Parameters

Items		Especifications
Fiber Count		1 Core
Colored Coating Fiber	Dimension	250µm±15µm
	Color	Natural
Tight Buffer	Material	PVC
	Color	White or as customers' request
	Dimension	0.09±0.05 mm
Strength Member	Material	Aramid Yarn
	Color	Yellow
Outer Jacket	Dimension	2.0±0.05 mm
	Material	LSZH or PVC
	Color	Yellow
Marking	Material	In 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, 1.5 mm amplitude)	<0.10dB (10-60Hz, 1.5 mm amplitude)
Drop test	<0.10dB (Height: 1.5 mm, 8 times)	<0.10dB (Height: 1.5 mm, 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 °C, last 168 hours)	<0.20dB (+85 °C, last 168 hours)
Low-Temperature test	<0.20dB (-40 °C, last 168 hours)	<0.20dB (-40 °C, 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