

# Pigtail LC/UPC 0.9 mm Tight Buffer 1 Core

linkedpro  
by epcom®

Model: LP-FO-LCU-02



LC/UPC connector

## 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/nm <sup>2</sup> ·km	
	Cable cutoff wavelength (λ <sub>cc</sub> )	≤1260 nm	
	Macro bending loss (1 turn; Φ16 mm) @1550 nm (100 turns; Φ25 mm) @1310 nm (100 turns; Φ25 mm) @1550 nm (100 turns; Φ30 mm) @1625 nm	≤0.05 dB	≤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.

# Pigtail LC/UPC 0.9 mm Tight Buffer 1 Core

linkedpro  
byepcom®

Model: LP-FO-LCU-02

## Mechanical and Environmental Characteristics

Connector Type	Housing Color	Boot Color	Outer Coating
LC/UPC	Blue	Blue	LSZH/PVC (flame-retardant)

Length = 2 m ± 50 mm

### Note:

1. Fiber cable according to IEC 60794-1
2. End surface test is according to WI-QJ-021
3. Test standard:  $IL \leq 0.30\text{dB}$ ,  $RL \geq 60\text{dB}$
4. Operating temperature (°C) -40 ~ +75
5. Operating wavelength (nm) 1310/1550
6. LSZH is flame-retardant
7. ROHS compliant

## 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