

Pigtails SC/APC 0.9 mm Tight Buffer 1 Core

linkerpro
by epcom®

Model: LP-FO-SCA-02



SC/APC Connector

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	≤0.05 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 ² ·km	
	Cable cutoff wavelength (λ_{cc})	≤1260 nm	
	Macro bending loss (1 turn; Φ 16 mm) @1550 nm (100 turns; Φ 25 mm) @1310 nm (100 turns; Φ 25 mm) @1550 nm (100 turns; Φ 30 mm) @1625 nm	≤0.05 dB ≤0.05 dB ≤0.05 dB ≤0.05 dB	
	Mode field diameter @1310 nm	8.8±0.4 μ m	
Dimensional Specifications	Cladding diameter	125±1.0 μ m	
	Cladding non circularity	≤1.0%	
	Core / clad concentricity error	≤0.6 μ m	
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.

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Cable Parameters

Items		Specifications
Fiber Count		1 Core
Colored Coating Fiber	Dimension	250 μ m \pm 15 μ m
	Color	Natural
Tight Buffer	Material	LSZH or PVC
	Color	White or as customers' request
	Dimension	0.09 \pm 0.05 mm

Mechanical and Environmental Characteristics

Connector Type	Housing Color	Boot Color	Outer Coating
SC/APC	Green	Green	LSZH/PVC (flame-retardant)

Note:

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

Length	Tolerance
L \leq 1m	+50mm/0
1m<L \leq 3m	+100mm/0
3m<L \leq 10m	\pm 100mm
10m<L \leq 30m	\pm 150mm
L>30m	\pm 200mm

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