

# Simplex Patch Cord SC/APC-SC/APC 2 mm

linkerpro  
by epcom®



SC/APC-SC/APC

## 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	
	Zero dispersion wavelength	@1550 nm ≤18ps/nm·km	
	Zero dispersion slope	1300~1322 nm	
	Cable cutoff wavelength ( $\lambda_{cc}$ )	≤0.091ps/nm <sup>2</sup> ·km	
	Macro bending loss	≤1260 nm	
	(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	

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Model	Features
LP-FO-SCA-SCA-01	Simplex Patch Cord 2.0 mm Single Mode SC/APC-SC/APC, PVC, 1 m
LP-FO-SCA-SCA-02	Simplex Patch Cord 2.0 mm Single Mode SC/APC-SC/APC, PVC, 2 m
LP-FO-SCA-SCA-03	Simplex Patch Cord 2.0 mm Single Mode SC/APC-SC/APC, PVC, 3 m

## 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. 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