

SIMPLEX PATCH CORD LC/PC-SC/PC Single Model

1 . Profile View



2. G 652 D* 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; Φ 16 mm) @1550nm	≤ 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±0.4 μm		
Dimensional Specifications	Cladding Diameter	125±1.0 μm	
	Cladding non circularity	≤1.0%	
	Core/clad concentricity error	≤0.6 μm	
Mechanical Specifications	Proof stress	≥1.05%	
	Fatigue Resistance Parameter (Nd)	≥22	
	Peak Coating Strip Force	1.3~8.9N	

3. Cable Parameters

Items		Specifications
Fiber Count		1 Core
Colored Coating Fiber	Dimension	250 μ m \pm 15 μ m
	Color	Natural
Tight Buffer	Material	PVC
	Color	White or As Customers' Request
	Dimension	0.85 \pm 0.05mm
Strength Member	Material	Aramid Yarn
	Color	Yellow
Outer Jacket	Dimension	2.9 \pm 0.1mm
	Material	OFNR PVC
	Color	Yellow
Marking	Material	Ink Jet
	Color	Black

4. Mechanical and Environmental Characteristics

Type	LC-UPC
Insertion loss	\leq 0.3dB
Return loss	\geq 50dB
Exchangeability	\leq 0.20dB
Repeatability	\leq 0.20dB
Vibration test	<0.10dB(10-60Hz,1.5mm amplitude)
Drop test	<0.10dB (Height:1.5m, 8 times)
Tensile strength	<0.10dB(60.0N, 10 min)
Mechanical Durability	<0.20dB(>500 times)
High-Temperature test	<0.20dB(+70 $^{\circ}$ C, Last 168 hours)
Low-Temperature test	<0.20dB(-40 $^{\circ}$ C, last 168 hours)

5. The section of the Patch Code

