Optical Fiber Performance

Optical Specifications	
Attenuation @1310 nm	≤0.35 dB/km
Attenuation @1383 nm(After aging hydrogenation)	≤0.35 dB/km
Attenuation @1550 nm	≤0.21 dB/km
Attenuation @1625 nm	≤0.23 dB/km
Dispersion coefficient	@1288~1339nm ≤3.5ps/nm·km
	@1271~1360nm ≤5.3ps/nm·km
	@1550nm ≤18ps/nm·km
	@1625nm ≤22ps/nm·km
Zero Dispersion Wavelength	1300~1324 nm
Zero Dispersion Slope	≤ 0.092 ps/nm2·km
PMD Link value (M=20cables Q=0.01%) maximum PMDQ	≤ 0.1 ps/√km
Cable Cutoff Wavelength (λcc)	≤1260 nm
Macro bending Loss	
(10 turns; Φ30 mm) @1550 nm(11	≤ 0.03 dB
turns; Φ30 mm) @1625 nm (2	≤ 0.1 dB
turns; Φ20 mm) @1550 nm	≤ 0.1 dB
(1 turns; Φ20 mm) @1625 nm	≤ 0.2 dB
(1 turns; Φ15 mm) @1550 nm	≤ 0.5 dB
(1 turns; Φ15 mm) @1625 nm	≤ 1.0 dB
Mode Field Diameter	@1310 nm 8.6±0.4μm
Dimensional Specifications	
Cladding Diameter	125±0.7μm
Cladding non circularity	≤1.0%
Coating diameter	245±7μm
Coating non circularity	≤6%
Cladding / coating concentricity error	≤12μm
Core/clad concentricity error	≤0.54μm
Cladding Non-Circularity	≤1.0%
Fiber curl radius	≥4m
Mechanical Specifications	
Proof stress	≥1.05%
Fatigue Resistance Parameter (Nd)	≥22
Peak Coating Strip Force	1.3~8.9N
Environment Specification	
Fiber temperature dependence (-60℃ +85 ℃)	≤0.05dB/km
Fiber temperature and humidity (+85±2℃ , 85% R.H. For 30 days)	≤0.05dB/km
Heat Aging Induced Attenuation(85±2℃ ,for 30 days)	≤0.05dB/km

Packing

Reel size: 265mm(OD)*180MM(ID)*150mm（width)

Gross weight: 5.4 kg