



Your Partner In Fiber And Cable

Easy bend fiber

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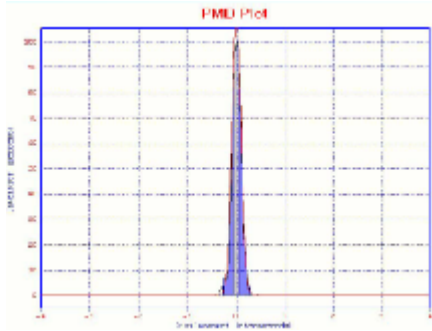
Meticulous working
Value-added service
Continual improvement

ZHONGTIAN TECHNOLOGY FIBER OPTICS

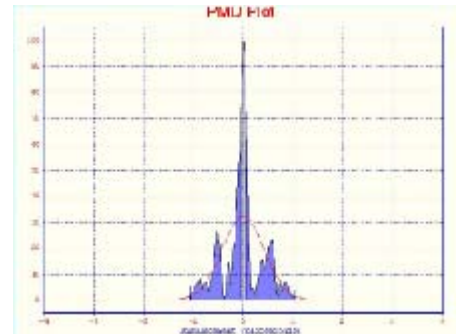
TECHNOLOGY SUPERIORITY

- **GOOD VALUE OF PMD**

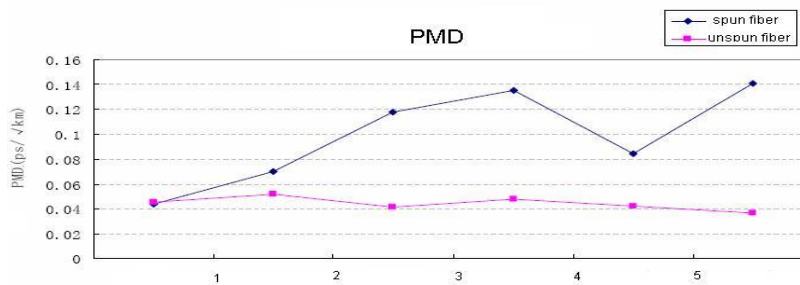
ZFOC use special spun device successfully controlled the value of PMD, and make sure that it keeps stable in cabling.



Interference pattern of spun fiber PMD measurement



Interference pattern of unspun fiber PMD measurement



In cabling, the capability of spun fiber is more stable than unspun fiber, and the value of PMD is smaller.

- **PERFECT CONNECTION CAPABILITY**

Approved by optical communication products ministry of quality supervision and inspection center, the connection between ZFOC fiber in and outside is good. The single-end connect-loss won't be over 0.1 dB and the double-end connect-loss is all little than 0.05dB.

- **SUPER-STRENGTH SUPER-LONG-DISTANCE FIBER**

Apply to non-relay communication network.

Features: proof test >2%

Standard length of drum: 100km, and longer than this if necessary.

ZTT Easy bend fiber characteristics (ITU-G.657A)

Category	Description	Specifications	
		Before cabling	After cabling
Optical Specifications	Attenuation @1310 nm	≤0.34 dB/km (max.)	≤0.36 dB/km (max.)
	Attenuation @1383±3 nm	≤0.32 dB/km(max.)	≤0.35 dB/km(max.)
	Attenuation @1550 nm	≤0.21 dB/km (max.)	≤0.22dB/km (max.)
	Attenuation @1625 nm	≤0.23dB/km	≤0.25 dB/km
	Zero Dispersion Wavelength	1300~1324 nm	
	Zero Dispersion Slope	≤ 0.092 ps/nm ² ·km	
	PMD Link value (M=20cables Q=0.01%) maximum PMD _Q	0.1 ps/√km	
	Cable Cutoff Wavelength (λ _{cc})	≤1260 nm	
	Macro bending Loss (10 turns; Φ30 mm) @1550 nm @1625 nm (1 turns; Φ20 mm) @1550 nm @1625 nm	≤0.1 dB ≤0.3 dB ≤0.1 dB ≤0.5 dB	
	Mode Field Diameter @1310 nm	8.8±0.4μm	
Dimensional Specifications	Cladding Diameter	125 ±0.7μm	
	Core/clad concentricity error	≤0.5μm	
	Cladding Non-Circularity	≤1.0%	
Mechanical Specifications	Proof stress	≥0.69Gpa	

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