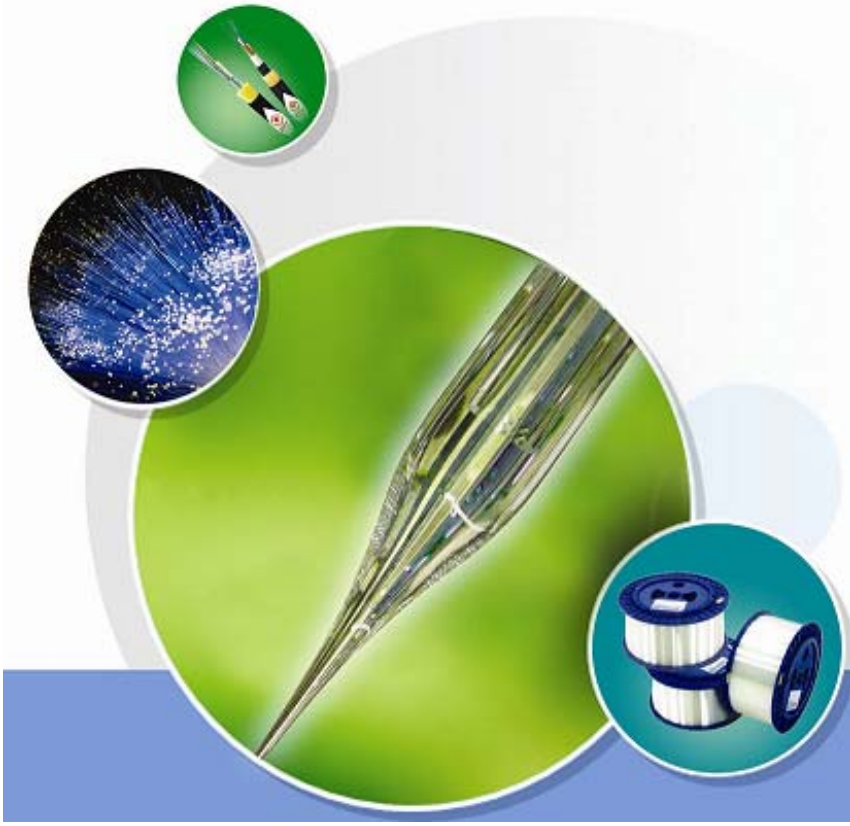
ZTT 中天科技

Your Partner In Fiber And Cable

Single mode fiber (ZTTG.652B)

www.chinaztt.com



Meticulous working

Value-added service

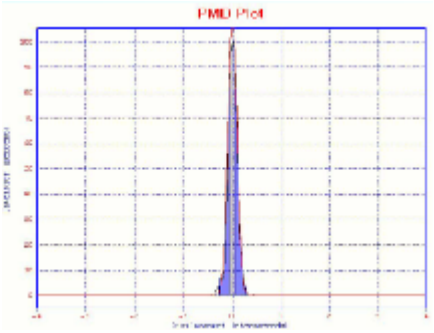
Continual improvement

ZHONGTIAN TECHNOLOGY FIBER OPTICS

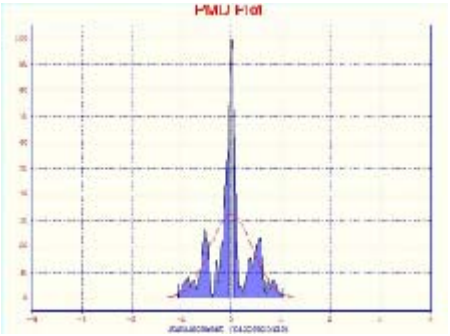
ISSUED:MAY 2008,SUPERSEDES:SEP 2007

- **GOOD VALUE OF PMD**

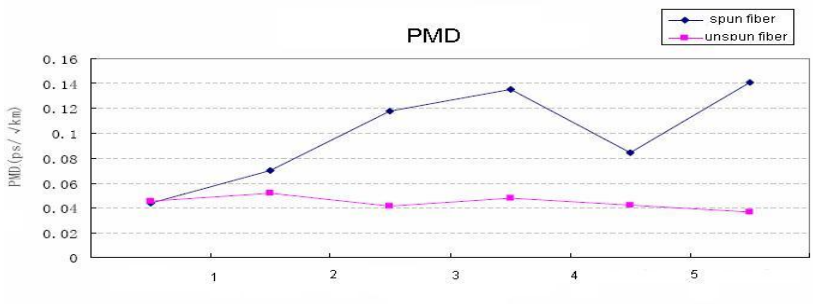
ZFOC use special spun device successfully controlled the value of PMD,and make sure that it keeps stable in cabling.



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 ipspection center,the connection between ZFOC fiber in and outside is good .The single-end connect-loss wont 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 G.652B SINGLE MODE FIBER SPECIFICATIONS

Category	Description	Specifications	
		Before cabling	After cabling
Optical Specifications	Attenuation @1310 nm	≤0.34 dB/km (max.)	≤0.36 dB/km (max.)
	Attenuation @1550 nm	≤0.20 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 (100 turns; Φ50 mm) @1550 nm (100 turns; Φ50 mm) @1625 nm	 ≤ 0.05 dB ≤ 0.10 dB	
	Mode Field Diameter @1310 nm	9.2±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	

www.chinaztt.com

Zhongtian Technology Fiber Optics Co.,Ltd.

Shanghai Office(Headquarters)
Add:26F, Baoding Building,No.550,Xujiahui Road,Shanghai,P.R.China
Tel:86-21-64739988
Fax: 86-21-64158399

Beijing Office
Add:719#Room,Tongtai Building,No.33,Financial Street,Beijing ,P.R.China
Tel:86-10-88088203
Fax:86-10-88088203

Nantong Factory
Add:6# Zhongtian Road, Nantong Economic＆Technological Development Zone
Nantong,Jiangsu,P.R.China
Tel:86-513-83599671
Fax: 86-513-83599670

ISSUED:MAY 2008,SUPERSEDES:SEP 2007