

## Polarization Maintaining Telecommunication Fiber 980nm

### Applications

- Polarization-sensitive components
- High performance transmission laser pigtails
- Pigtail to LiNbO3 FOG chip (IOC)
- Polarization-based sensors

### Characteristics

- Excellent polarization maintaining properties
- Tight geometric tolerances and very low attenuation
- Dual-layer UV-Acrylate coating and tight buffering structure
- High environmental stability and reliability



Specifications			
Part Number	1100-250	1100-400	1100-900
Optical Properties			
Operating Wavelength (nm)	980	980	980
Cut-Off Wavelength (nm)	800-970	800-970	800-970
Mode Field Diameter ( $\mu\text{m}$ )	$6.5 \pm 1.0$	$6.5 \pm 1.0$	$6.5 \pm 1.0$
Attenuation (dB/km)	$\leq 2.5$	$\leq 2.5$	$\leq 2.5$
Beat Length (mm)	$\leq 3.0$	$\leq 3.0$	$\leq 3.0$
Typical Cross Talk at 4m (dB)	$\leq -40$	$\leq -40$	$\leq -40$
Cross Talk at 100m (dB)	$\leq -30$	$\leq -30$	$\leq -30$
Geometric Properties			
Cladding Diameter ( $\mu\text{m}$ )	$125 \pm 1.0$	$125 \pm 1.0$	$125 \pm 1.0$
Coating Diameter ( $\mu\text{m}$ )	$245 \pm 7.0$	$400 \pm 15.0$	$900 \pm 100.0$
Cladding Non-Circularity (%)	$\leq 1.0$	$\leq 1.0$	$\leq 1.0$
Core Concentricity Error ( $\mu\text{m}$ )	$\leq 1.0$	$\leq 1.0$	$\leq 1.0$
Coating Type	Dual-layer/UV-Acrylate	Dual-layer/UV-Acrylate	UV/Polyamide