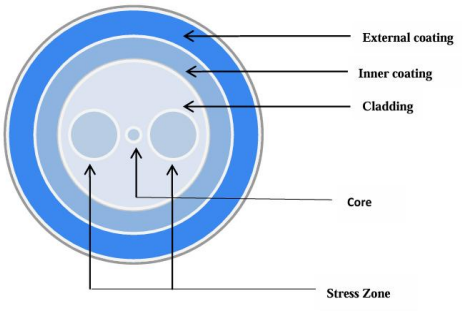
Panda Polarization-Maintaining Fiber for FOG Coil Winding

Product Features

- Good geometric uniformity and low attenuation
- Excellent radiation resistance
- Excellent bending properties
- High stability and reliability
- Excellent birefringence effect



Product Application

- Fiber optic coil for FOG
- Delay coil
- Polarization-maintaining cable
- Polarization sensitive device
- Optical fiber polarization senso

Product Specifications

Properties	Product Specification					
Product Type	PM13-60/100	PM13-80/135 PM13-80/165	PM13-125/250	PM15-60/100	PM15-80/135 PM15-80/165	PM15-125/250
Optical Properties						
Working wavelength	1310nm			1550nm		
Cut off wavelength	1100 ~1290nm	1100 ~1290nm	1100 ~1290nm	1290 ~ 1520nm	1290 ~ 1520nm	1290 ~ 1520nm
Mode field diameter	6.0 ± 0.5μm	6.0 ± 0.5μm	6.0 ± 0.5μm	6.5 ± 0.5μm	6.5 ± 0.5μm	6.5 ± 0.5μm
Attenuation	≤ 0.6dB/km	≤ 0.6dB/km	≤ 0.6dB/km	≤ 0.5dB/km	≤ 0.5dB/km	≤ 0.5dB/km
Beat length	≤ 2.5mm	≤ 2.5mm	≤ 2.5mm	≤ 3.0mm	≤ 3.0mm	≤ 3.0mm
Typical crosstalk	≤ -23dB/km	≤ -30dB/km	≤ -30dB/km	≤ -23dB/km	≤ -30dB/km	≤ -30dB/km
Geometric Properties						
Cladding diameter	60.0 ± 1.0μm	80.0 ± 1.0μm	125.0 ± 1.0μm	60.0 ± 1.0μm	80.0 ± 1.0μm	125.0 ± 1.0μm
Double UV curing acrylic resin						
Coating diameter	105.0 ±2.0μm	135.0 ± 1.0μm 168.0 ± 1.0μm	245.0 ±2.0μm	105.0 ±2.0μm	135.0 ± 1.0μm 168.0 ± 1.0μm	245.0 ±2.0μm
Core concentricity	≤1.0μm	≤1.0μm	≤1.0μm	≤ 0.5μm	≤ 0.5μm	≤ 0.5μm
Cladding out-of-roundness	≤ 1.0%	≤ 1.0%	≤ 1.0%	≤ 1.0%	≤ 1.0%	≤ 1.0%
Environmental and Mechanical Properties						
Operating temperature	-50 ~ +105ºC	-50 ~ +105ºC	-50 ~ +105ºC	-50 ~ +105ºC	-50 ~ +105ºC	-50 ~ +105ºC
Screening tension	100kpsi	100kpsi	100kpsi	100kpsi	100kpsi	100kpsi