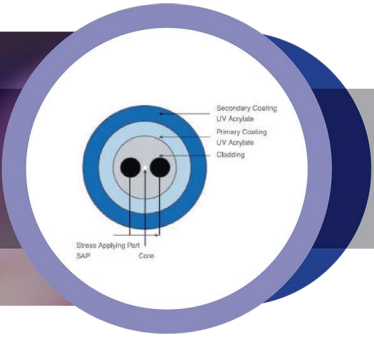
Polarization Maintaining Fiber(PMF)



Product Description

OptoNest provides Polarization Maintaining Fiber(PMF), which is specially designed for fiber optic gyroscopes (FOGs) and polarization -sensitive components applications. This kind of fiber exhibits extremely low attenuation and excellent birefringence characteristics, and is used in a variety of demanding applications.

옵토네스트가 제공하는 편광유지광섬유는(PMF) 광섬유 자이로(FOGs)와 편광 민감성 부품등에 응용할 수 있도록 설계되었습니다. 매우 낮은 손실값과 높은 복굴절 특성을 가지며, 다양한 분야에서 사용될 수 있습니다.

OptoNset所提供的保偏光纤产品（PMF）可应用于光纤陀螺（FOGs）以及其他偏振相关器件领域设计而出。此光纤产品具有很低的衰减特性和优异的双折射性能，可满足各种使用要求。而且。

Features

- Short beat length
- Extremely high birefringence
- Excellent polarization maintaining properties
- Tight geometric tolerance and very low attenuation
- Low bending-induced attenuation
- Dual-layer, and UV-Acrylate coating
- High environmental stability and reliability

Applications

- Fiber optic gyroscopes(FOGs)
- Polarization maintaining fused-fiber couplers
- Polarization-sensitive components
- High performance transmission laser pigtails
- Polarization-based sensors

Specifications

Parameter	PM1015-A+	PM1016-B
Operating wavelength	980nm	1310nm
Cutoff wavelength	800 ~ 970nm	1100 ~ 1290nm
Mode field diameter	6.5 ± 1.0㎛	6.0 ± 1.0㎛
Attenuation	≤ 2.5dB/km	≤ 0.6dB/km
Beat length	3.0 ~ 5.0mm	≤ 3.0mm
Cross talk	≤ -25dB(at 100m)	≤ -30dB(at 1000m)
Cladding diameter	125.0 ± 1.0㎛	80.0 ± 1.0㎛
Coating type	Dual-layer; UV-Acrylate	
Coating diameter	245.0 ± 7.0㎛	170.0 ± 7.0㎛
Cladding non-circularity	≤ 1.0%	
Core concentricity error	≤ 1.0㎛	
Operating temperature range	-45 ~ 85℃	
Proof test level	0.70GN/m2(100kpsi)	

*Customized products are available upon customer request.