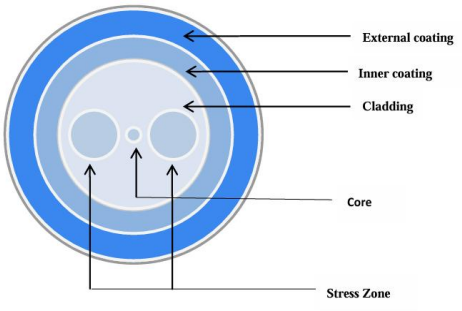
Panda Polarization-Maintaining Fiber for MIOC

Product Features

- Good geometric uniformity and symmetry
- Excellent grinding performance
- Excellent mechanical reliability and coating reliability
- High stability and reliability



Product Application

- MIOC
- Polarization sensitive device
- Optical fiber polarization sensor

Product Specifications

Properties	Product Specification					
Product Type	PM13-60/100-Y	PM13-80/135-Y PM13-80/165-Y	PM13-125/250-Y	PM15-60/100-Y	PM15-80/135-Y PM15-80/165-Y	PM15-125/250-Y
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	6.0 ± 0.5μm	6.0 ± 0.5μm	6.0 ± 0.5μm
Attenuation	≤ 0.6dB/km	≤ 0.6dB/km	≤ 0.6dB/km	≤ 0.6dB/km	≤ 0.6dB/km	≤ 0.6dB/km
Beat length	≤ 3.5mm	≤ 3.5mm	≤ 3.5mm	≤ 4.0mm	≤ 4.0mm	≤ 4.0mm
Typical crosstalk（100m）	≤-25dB	≤ -30dB	≤ -30d	≤-25dB	≤ -30d	≤ -30d
Geometric Properties						
Cladding diameter	60.0 ± 1.0μm	80.0 ± 1.0μm	124.5 ± 1.0μm	60.0 ± 1.0μm	80.0 ± 1.0μm	124.5 ± 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
Cladding out-of-roundness	≤ 1.0%	≤ 1.0%	≤ 1.0%	≤ 1.0%	≤ 1.0%	≤ 1.0%
Core concentricity	≤ 0.5m	≤ 0.5m	≤ 0.5m	≤ 0.5m	≤ 0.5m	≤ 0.5m
Environmental and Mechanical Properties						
Operating temperature	45 ~ +85ºC	45 ~ +85ºC	45 ~ +85ºC	45 ~ +85ºC	45 ~ +85ºC	45 ~ +85ºC
Screening tension	100kpsi	100kpsi	100kpsi	100kpsi	100kpsi	100kpsi