

1408 PM Fiber

PMF1005



PM15-U40D

The fiber is designed for today's most advanced networks. Optimized for use at 1550 nm, these fibers are used in all PM applications for data and telecom. The bend insensitive versions of our fibers offer the lowest bend loss and extinction ratios at small bend diameters enabling our customers to reduce package sizes. Available in 400 micron coating diameters and prooftested to 100 kpsi.

FEATURES

- Extremely High Birefringence
- Excellent PM Properties
- SM Designs from 400 nm to 1550 nm
- Dual-layer UV Acrylate and 900 nm Polyester-elastomer Coatings Available
- Low Attenuation
- Low Sensitivity to Bending-induced Attenuation
- Low Splice Loss
- Panda PM Fibers Available

USE IN

- High Performance Transmission Laser Pigtails
- Polarization-based Modulators
- High Data Rate Communications Systems
- Polarization-sensitive Components
- Raman Amplifiers
- Fiber Optic Sensors, Gyroscopes and Instrumentation

Operating Wavelength	1550 nm
Mode Field Diameter	10.5 ± 0.5 μm
Cutoff	1300 nm to 1440 nm
Attenuation	0.5 dB/km max.
Beat Length	3 mm to 5 mm
Normalized Cross Talk	-40.0 dB max. at 4 m; -30.0 dB max. at 100 m
Cladding Diameter	125.0±1.0 μm
Coating Diameter	400.0±15.0 μm
Core/Clad Offset	0.50 μm max.
Standard Lengths	100 m, 200 m, 300 m, 400 m, 500 m, 1 Km
Proof Test	100 kpsi (200 kpsi Optional)
Operating Temperature	-40°C to 85°C