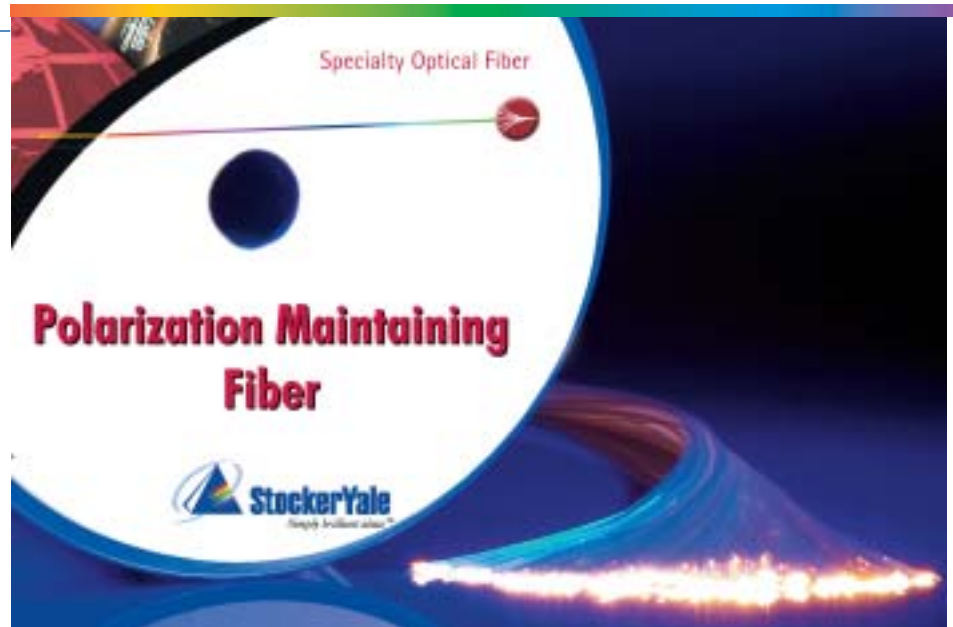


Polarization Maintaining Fiber

PMF-488-B1

Features

- High birefringence
- Low attenuation
- Bow-tie stress structure design
- Superior polarization maintaining properties
- Excellent product consistency



StockerYale's PMF-488-B1 is a polarization maintaining fiber designed for optimal performance in visible wavelength polarization sensitive applications. The fiber features an operating wavelength of 488 nm and a beat length of < 1.2 mm. Its bow-tie stress structure provides high birefringence while maintaining excellent consistency. We can also custom design this fiber to meet your specific design requirements.

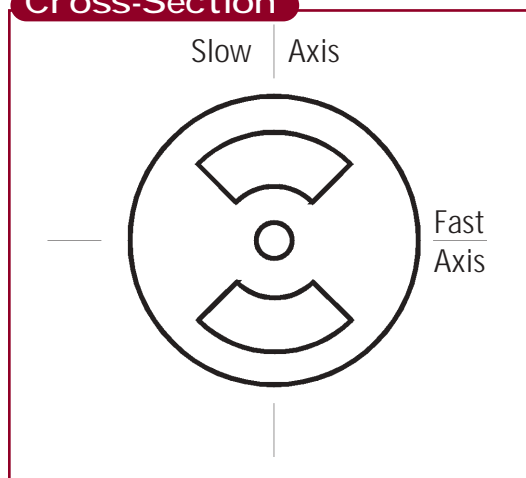
Applications:

- Fiber optic sensors
- Laser delivery in spectroscopy, medical and metrological applications
- Polarization-sensitive components

Technical Specifications

Product code	PMF-488-B1
Type of fiber	Bow-tie polarization maintaining fiber
Operating wavelength	488 nm
Cut-off wavelength	< 470 nm
Mode field diameter @ 488 nm	$3.2 \pm 0.5 \mu\text{m}$
Numerical aperture	0.13 nominal value
Attenuation @ 488 nm	< 100 dB/km
Beat length @ 488 nm	< 1.2 mm
Outer cladding diameter	$125 \pm 1 \mu\text{m}$
Coating diameter	$245 \pm 10 \mu\text{m}$
Core/cladding concentricity	< 1.0 μm
Proof test level	100 kpsi
Coating type	UV-cured dual acrylate

Cross-Section



For more information contact us at opticalsales@stockeryale.com or call a StockerYale sales representative at **(603) 870-8286**.



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