



TruePhase® 14XX 400 Polarization-Maintaining Optical Fiber

P/N: BF06832-11

Product Overview

TruePhase 14XX Polarization-Maintaining (PM) Optical Fiber is optimized for operation in the 1400-1490 nm band. It is well suited for Raman amplification enabling delivery of high, stable output power in this wavelength range. TruePhase 14XX Beat Length is 3.7 mm - 4.7 mm @ 1455 nm. The fiber coating is a dual UV acrylate with a diameter of 400 μm . The fiber is proof tested to 200 kpsi for high reliability.

Typical Applications

- Polarization-Sensitive Components in Advanced Communication Systems
- Raman Gain Modules
- Raman Pump Combiners or Pump Multiplexers
- Raman Pump Pigtails



Product Specifications	
Product Description	TruePhase 14XX 400 PM Optical Fiber
Physical Characteristics	
Coating Material	Dual UV Acrylate
Cladding Diameter	125 ± 1.0 µm
Coating/Buffer Diameter	400 ± 15 µm
Clad Non-Circularity	≤ 2.0%
Core/Clad Offset	≤ 0.5 µm
Optical Characteristics	
Type	Polarization-Maintaining
Operating Wavelength	1400 - 1490 nm
Cutoff Wavelength	≤ 1390 nm
Mode Field Diameter @ 1455 nm	9.8 ± 0.5 µm
Attenuation @ 1455 nm	≤ 1.2 dB/km
Beat Length @ 1455 nm	3.7 - 4.7 mm
Crosstalk @ 1550 nm/100 m	≤ -30 dB
Crosstalk (Typical) @ 1550 nm/100 m	≤ -35 dB
Numerical Aperture (Nominal)	0.13
Mechanical and Environmental	
Operating Temperature	-40 to +85 °C
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	BF06832-11
OPTIONS	Cabling, Coating Material and Dimensions, Metalization, Optical Properties, Proof Test
Contact Information	For additional information please contact your sales representative. You can also visit our website at www.lightera.com or call 1-888-FIBERHELP (1-888-342-3743) USA or 1-770-798-5555 outside the USA. For a full list of our certifications, visit our website.
Trademark Notice and Disclaimer	Lightera reserves the right to make changes to the product(s) described in this document at any time without notice. This document is for informational purposes only and is not intended to modify or supplement any Lightera warranties or specifications relating to any of its products or services.