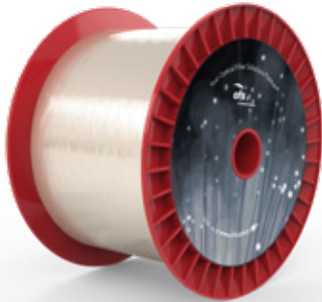




TruePhase® 14XX 250 Polarization-Maintaining Optical Fiber

P/N: BF06832-06



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 250 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 250 PM Optical Fiber
Physical Characteristics	
Coating Material	Dual UV Acrylate
Cladding Diameter	125 ± 1.0 µm
Coating/Buffer Diameter	250 ± 10 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	BF06832-06
OPTIONS: Cabling, Coating Material and Dimensions, Metalization, Optical Properties, Proof Test	

For additional information please contact your sales representative.

You can also visit our website at www.foptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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