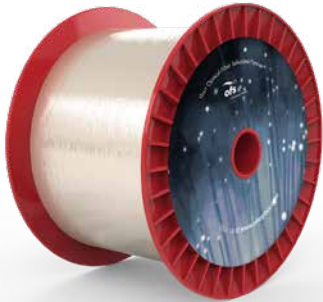




A Furukawa Company

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.

Typical Applications

Polarization-Sensitive
Components in Advanced
Communication Systems

Raman Gain Modules

Raman Pump Combiners or
Pump Multiplexers

Raman Pump Pigtails



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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 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.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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