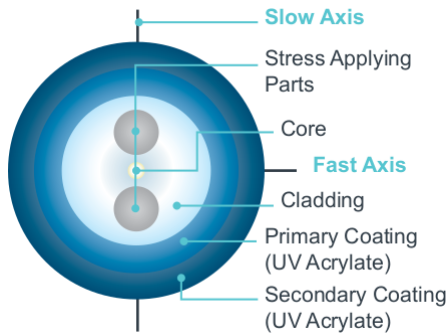


TruePhase 1310-250 Polarization-Maintaining Optical Fiber

P/N: F9922-02



Features

- Low beat length of ≤ 4.0 mm
- Low attenuation of ≤ 1.2 dB/km
- High birefringence
- Tight geometrical tolerances
- Low sensitivity to bending-induced attenuation
- Typical crosstalk of -35 dB/100 m

Overview

The TruePhase 1310 Polarization-Maintaining Optical Fiber is optimized for operation at 1310 nm for use in CATV components, fused fiber couplers and applications for 1310 nm.

The fiber coating is a dual UV acrylate with a diameter of 250 μ m. The fiber is proof tested to 200 kpsi.

Typical Applications

- CATV Components and Devices
- External Modulators at 1310 nm
- PM Fused Fiber Couplers
- Source Laser Pigtails
- Switches
- Silicon Photonics Connections

Product Specifications	
Product Description	TruePhase 1310-250 Optical Fiber
Dimensions/Geometric Properties	
Coating Material	Dual UV Acrylate
Cladding Diameter	125 ± 1 µm
Coating/Buffer Diameter	250 ± 10 µm
Clad Non-Circularity	≤ 2.0%
Core/Clad Offset	≤ 0.7 µm
Optical Requirements	
Type	Polarization-Maintaining
Operating Wavelength	1310 nm
Fiber Cutoff Wavelength	≤ 1290 nm
Mode Field Diameter @ 1310 nm	9.0 ± 0.5 µm
Attenuation @ 1310 nm	≤ 1.2 dB/km
Beat Length @ 1310 nm	≤ 4.0 mm
Crosstalk @ 1310 nm/100m	≤ -30 dB/100 m
Crosstalk (Typical) @ 1310 nm	≤ -35 dB/100 m
Numerical Aperture (Nominal)	0.13
Mechanical and Testing Data	
Operating Temperature	-40 to +85 °C
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	F9922-02
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.