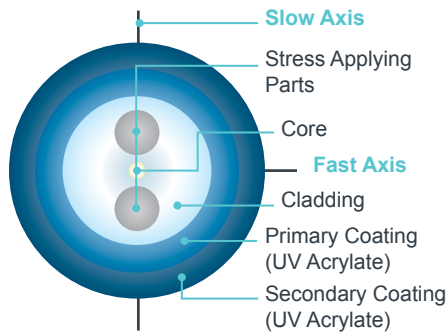




A Furukawa Company

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 μm . The fiber is proof tested to 200 kpsi.

Applications

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



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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	

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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