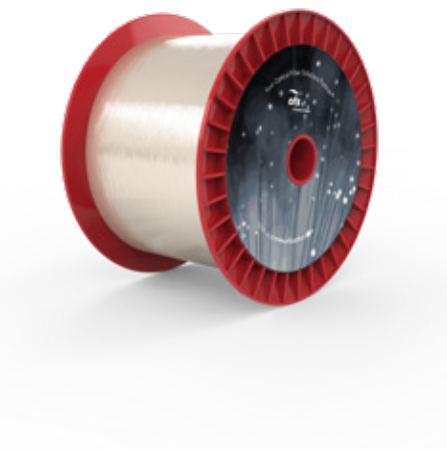
ofs
A Furukawa Company

TruePhase® 1310 Bend Insensitive Polarization-Maintaining Optical Fiber P/N: F11358



Overview

The TruePhase 1310 Bend Insensitive Polarization-Maintaining Optical Fiber is optimized for operation at 1310 nm. It is designed with a higher NA to allow for improved bend performance, a critical fiber parameter in sensor applications where fiber is wound on small diameter coils. This design also offers a shorter beat length for increased birefringence and better crosstalk over longer lengths.

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

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Product Specifications	
Product Description	**TruePhase 1310 250 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%
Core/Clad Offset	≤ 0.5 µm
Optical Characteristics	
Type	Polarization-Maintaining
Operating Wavelength	1310 nm
Fiber Cutoff Wavelength	≤ 1290 nm
Mode Field Diameter @ 1310 nm	5.5 ± 0.5 µm
Attenuation @ 1310 nm	≤ 1.5 dB/km
Beat Length @ 1310 nm	≤ 3.0 mm
Crosstalk @ 1310 nm/100 m	≤ -30 dB
Crosstalk (Typical) @ 1310 nm/100 m	≤ -35 dB
Numerical Aperture (Nominal)	0.20
Mechanical and Environmental	
Operating Temperature	-40 to +85 °C
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	**F11358**

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.

OFS Marketing Communications
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