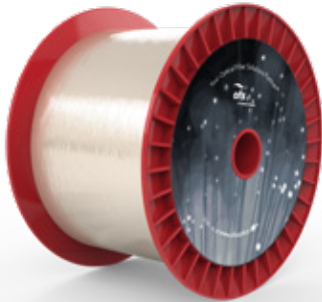


ClearLite® MICRO 1310 16D NA Optical Fiber

P/N: F9002



Overview

These optical fibers are designed to operate efficiently at both 1310 and 1550 nm, and the higher NA significantly enhances bend performance. As a result, these fibers are ideal for harsh environment installations where fiber compression is a concern and where low-loss, small bend-radius coiling and winding performance is desired. Various coatings and buffer sizes are offered to meet environmental requirements and size constraints.

Typical Applications

Gyroscopes
Sensors
Tap Couplers
WDM Pump/Signal Couplers



A Furukawa Company

ClearLite® MICRO 1310 16D NA Optical Fiber

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Product Specifications	
Product Description	ClearLite MICRO 1310 16D NA Optical Fiber
Physical Characteristics	
Coating Material	Dual UV Acrylate
Core Diameter (Nominal)	6.0 µm
Cladding Diameter	80 ± 2 µm
Coating/Buffer Diameter	165 ± 10 µm
Clad Non-Circularity	≤ 2.0%
Core/Clad Offset	≤ 0.5 µm
Optical Characteristics	
Type	Single-Mode
Operating Wavelength	1310/1550 nm
Cutoff Wavelength	≤ 1290 nm
Mode Field Diameter @ 1310 nm	6.7 ± 0.75 µm
Mode Field Diameter @ 1550 nm	7.5 µm (Nominal)
Attenuation @ 1310 nm	≤ 0.75 dB/km
Attenuation @ 1550 nm	≤ 0.5 dB/km
Numerical Aperture (Nominal)	0.16
Induced Attenuation (Due to 10 turns of 15 mm radius) @ 1560 nm	≤ 0.01 dB
Mechanical and Environmental	
Operating Temperature	-40 to +85 °C
Short-Term Bend Radius	≥ 4 mm
Long-Term Bend Radius	≥ 6 mm
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	F9002
Product Description Code	SMM-D1310B
OPTIONS: Buffer Color, Buffer Material, Buffer Size, Cutoff Wavelength, Metalization, Proof Test, Termination	

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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