



ClearLite MICRO 1310 11 NA Optical Fiber

P/N: BF06257-01

Product Overview

Optical fibers operating at 1310/1550 nm are available with several different coating options to meet application requirements.
The Micro and Geo versions allow for tighter coils.

Typical Applications

- Gyroscopes
- Sensors
- Splicing to Standard Transmission Fiber
- Tap Couplers
- WDM Pump/Signal Couplers

Product Specifications	
Product Description	ClearLite MICRO 1310 11 NA Optical Fiber
Physical Characteristics	
Coating Material	Dual UV Acrylate
Core Diameter (Nominal)	8.3 μm
Cladding Diameter	80 $\pm$ 2 μm
Coating/Buffer Diameter	165 $\pm$ 10 μm
Clad Non-Circularity	$\leq$ 2.0%
Core/Clad Offset	$\leq$ 0.5 μm
Optical Characteristics	
Type	Single-Mode
Operating Wavelength	1310/1550 nm
Cutoff Wavelength	$\leq$ 1310 nm
Mode Field Diameter @ 1310 nm	9.3 $\pm$ 0.5 μm
Mode Field Diameter @ 1550 nm	10.5 $\pm$ 1.0 μm
Attenuation @ 1310 nm	$\leq$ 0.75 dB/km
Attenuation @ 1550 nm	$\leq$ 0.5 dB/km
Numerical Aperture (Nominal)	0.11
Induced Attenuation @ 1560 nm	$\leq$ 0.3 dB
Mechanical and Environmental	
Operating Temperature	-40 to +85 $^{\circ}\text{C}$
Short-Term Bend Radius	$\geq$ 4 mm
Long-Term Bend Radius	$\geq$ 6 mm
Proof Test Level	$\geq$ 200 kpsi (1.38 GPa)
Order by Part Number	BF06257-01
Product Description Code	SMM-A1310B
OPTIONS	Buffer Color, Buffer Material, Buffer Size, Cutoff Wavelength, Metalization, Proof Test, Termination
NOTE	Lightera polyimide optical fibers are known to operate in environments up to 300 $^{\circ}\text{C}$. Performance is application dependent. Contact our Technical Sales department to discuss your specific application requirements. 1-860-678-6636
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.
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