



GEO 1310 11 NA Optical Fiber

P/N: BF05717

Product Overview

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

- Above-Ground Well Networking
- Data Links Down-Hole
- Deployment Geophysical Point
- Sensors High Application
- Stress and Tight-Coils High
- Humidity High-Temperature
- Environments Medical Lasers, Sensing, and Imaging
- Raman Back-Scattering

Product Specifications	
Product Description	GEO 1310 11 NA
Physical Characteristics	
Coating Material	Carbon/PYROCOAT®
Cladding Diameter	125 ± 1 µm
Coating/Buffer Diameter	155 ± 5 µm
Core/Clad Offset	≤ 1.0 µm
Core Diameter (Nominal)	8.4 µm
Clad Non-Circularity	≤ 2.0%
Optical Characteristics	
Type	Single-Mode
Operating Wavelength	1310/1550 nm
Cutoff Wavelength	≤ 1290 nm
Mode Field Diameter @ 1310	9.3 ± 0.5 µm
Mode Field Diameter @ 1550	10.5 ± 1.0 µm
Attenuation @ 1310 nm	≤ 0.7 dB/km
Attenuation @ 1550 nm	≤ 0.6 dB/km
Numerical Aperture	0.11
Mechanical and Environmental	
Operating Temperature	-65 to +300°C
Short-Term Bend Radius	≥ 4 mm
Long-Term Bend Radius	≥ 4 mm
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	BF05717
Product Description Code	SMT-A1310J2
OPTIONS	Buffer Color, Buffer Diameter, Buffer Material, Cabling, Metalization, Proof Test, Termination
NOTE	Lightera polyimide optical fibers are known to operate in environments up to 300 °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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