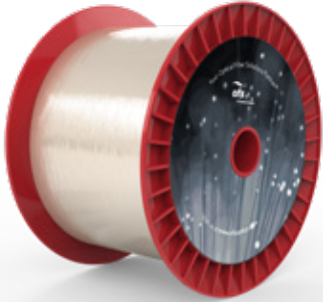


ClearLite® Carbon Poly 1310 11 NA Optical Fiber

P/N: BF04447



Overview

ClearLite Carbon Poly 1310 operates at 1310/1550 nm and has an NA of 0.11. The fiber has both a carbon and a polyimide coating for durability and hightemperature resistance.

Typical Applications

High Humidity

High-Temperature
Environments

Medical Sensing and Imaging

Oil and Gas Applications



A Furukawa Company

ClearLite Carbon Poly 1310 11 NA Optical Fiber

P/N: BF04447

Product Specifications	
Product Description	ClearLite Carbon Poly 1310 11 NA Optical Fiber
Physical Characteristics	
Coating Material	Carbon/PYROCOAT®
Core Diameter (Nominal)	8.4 µm
Cladding Diameter	125 ± 1 µm
Coating/Buffer Diameter	155 ± 5 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	9.3 ± 0.5 µm
Mode Field Diameter @ 1550 nm	10.5 ± 1.0 µm
Attenuation @ 1310 nm	≤ 0.7 dB/km
Attenuation @ 1550 nm	≤ 0.6 dB/km
Numerical Aperture (Nominal)	0.12
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	BF04447
Product Description Code	SMT-A1310J

OPTIONS: Buffer Color, Buffer Material, Buffer Size, Cutoff Wavelength, Metalization, Proof Test, Termination

NOTE: OFS 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

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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