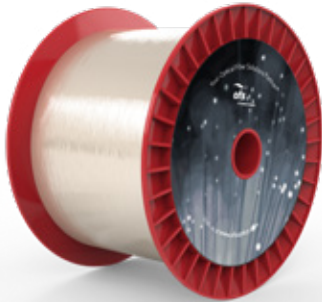


ClearLite® POLY 1310 21 NA Optical Fiber

P/N: BF06160-02



Overview

OFS ClearLite POLY 1310 21 single-mode optical fiber is designed to operate efficiently at both 1310 and 1550 nm. The fiber has a nominal NA of 0.21 and a polyimide coating.

This fiber is well-suited for harsh environment installations where fiber compression is a concern and where low-loss, small bend-radius coiling and winding performance is desired.

Typical Applications

High-Temperature
Environments

High-Application-Stress and
Tight-Coil Applications

Oil and Gas Applications



A Furukawa Company

ClearLite® POLY 1310 21 NA Optical Fiber

P/N: BF06160-02

Product Specifications	
Product Description	ClearLite POLY 1310 21 NA Optical Fiber
Physical Characteristics	
Coating Material	PYROCOAT®
Core Diameter (Nominal)	4.6 µm
Cladding Diameter	125 ± 2 µm
Coating/Buffer Diameter	155 ± 5 µm
Clad Non-Circularity	≤ 2.0%
Core/Clad Offset	≤ 1.0 µm
Optical Characteristics	
Type	Single-Mode
Operating Wavelength	1550 nm
Cutoff Wavelength	≤ 1290 nm
Mode Field Diameter @ 1310 nm	5.1 ± 1.0 µm
Mode Field Diameter @ 1550 nm	5.8 ± 1.0 µm
Attenuation @ 1310 nm	≤ 1.2 dB/km
Attenuation @ 1550 nm	≤ 0.9 dB/km
Numerical Aperture (Nominal)	0.21
Mechanical and Environmental	
Operating Temperature	-65 to +300 °C
Short-Term Bend Radius	≥ 10 mm
Long-Term Bend Radius	≥ 17 mm
Proof Test Level	≥ 100 kpsi (0.689 GPa)
Order by Part Number	BF06160-02
Product Description Code	SMB-G1310H

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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