



ClearLite® POLY 1550 17 Optical Fiber

P/N: BF06158-02



Overview

OFS ClearLite MICRO 1550 17 single-mode optical fiber is designed to operate efficiently at 1550 nm. The fiber has a diameter cladding of 125 μm , a nominal NA of 0.17 and a polyimide coating.

The longer cutoff of OFS 1550 fibers offers improved optical bend performance.

Typical Applications

High Stress and Tight Coil
Applications

High Temperature Environments

Medical Sensing and Imaging

Oil and Gas Applications



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Product Specifications	
Product Description	ClearLite POLY 1550 17 Optical Fiber
Physical Characteristics	
Coating Material	PYROCOAT®
Core Diameter (Nominal)	6.5 µm
Cladding Diameter	125 ± 1 µm
Coating/Buffer Diameter	155 ± 5 µm
Clad Non-Circularity	≤ 2.0%
Core/Clad Offset	≤ 0.75 µm
Optical Characteristics	
Type	Single-Mode
Operating Wavelength	1550 nm
Cutoff Wavelength	≤ 1500 nm
Mode Field Diameter @ 1550 nm	7.5 ± 1.0 µm
Attenuation @ 1550 nm	≤ 0.7 dB/km
Numerical Aperture (Nominal)	0.17
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	BF06158-02
Product Description Code	SMB-E1550H
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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