



ClearLite® 1550 17 Optical Fiber

P/N: BF06158

Product Overview

Our full line of optical fibers operating at 1550 nm includes a variety of coating options, NAs, and mode field diameters to optimize performance in different applications. The longer cutoff of these fibers, as compared to standard transmission fiber, offers improved optical bend performance.

Typical Applications

- Fiber Optic Strain, Pressure, and Acoustic Sensors
- Fiber Payout
- Medical Sensing and Imaging
- WDM Devices

Product Specifications

Product Description	ClearLite 1550 17 Optical Fiber
Physical Characteristics	
Coating Material	Dual UV Acrylate
Core Diameter (Nominal)	6.5 μm
Cladding Diameter	125 $\pm$ 2 μm
Coating/Buffer Diameter	245 $\pm$ 15 μm
Clad Non-Circularity	$\leq$ 2.0%
Core/Clad Offset	$\leq$ 0.75 μm
Optical Characteristics	
Type	Single-Mode
Operating Wavelength	1550 nm
Cutoff Wavelength	$\leq$ 1500 nm
Mode Field Diameter @ 1550 nm	7.5 $\pm$ 0.75 μm
Attenuation @ 1550 nm	$\leq$ 0.6 dB/km
Numerical Aperture (Nominal)	0.17
Mechanical and Environmental	
Operating Temperature	-40 to +85 °C
Short-Term Bend Radius	$\geq$ 10 mm
Long-Term Bend Radius	$\geq$ 17 mm
Proof Test Level	$\geq$ 100 kpsi (0.689 GPa)
Order by Part Number	BF06158
Product Description Code	SMB-E1550B
OPTIONS	Buffer Color, Buffer Material, Buffer Size, Cutoff Wavelength, Metalization, Proof Test, Termination

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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