



ClearLite® 1310 16 NA Optical Fiber

P/N: F9001

Product Overview

Lightera ClearLite 1310 16 single-mode optical fiber is designed to operate efficiently at both 1310 and 1550 nm. The fiber has a nominal NA of 0.16 and a dual UV acrylate 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

- CATV Devices
- Tap Couplers
- Tight Coils and Integrated Modules
- WDM Fused Fiber Couplers

Product Specifications

Product Description ClearLite 1310 16 NA Optical Fiber

Physical Characteristics

Coating Material	Dual UV Acrylate
Core Diameter (Nominal)	6.0 μm
Cladding Diameter	125 $\pm$ 1 μm
Coating/Buffer Diameter	250 $\pm$ 10 μm
Clad Non-Circularity	$\leq$ 2.0%
Core/Clad Offset	$\leq$ 0.5 μm

Optical Characteristics

Type	Single-Mode
Operating Wavelength	1310/1550 nm
Cutoff Wavelength	$\leq$ 1290 nm
Mode Field Diameter @ 1310 nm	6.7 $\pm$ 1.0 μm
Mode Field Diameter @ 1550 nm	7.5 $\pm$ 1.0 μm
Attenuation @ 1310 nm	$\leq$ 0.75 dB/km
Numerical Aperture (Nominal)	0.16

Mechanical and Environmental

Operating Temperature	-40 to +85 °C
Short-Term Bend Radius	$\geq$ 5 mm
Long-Term Bend Radius	$\geq$ 9 mm
Proof Test Level	$\geq$ 200 kpsi (1.38 GPa)

Order by Part Number F9001

Product Description Code SMB-D1310B

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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