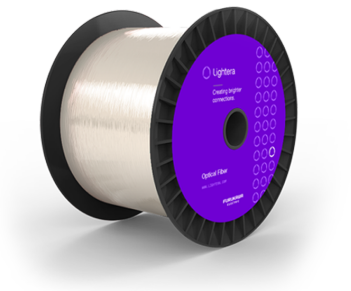

ClearLite® MICRO 820 16 Short Wavelength Optical Fiber

P/N: CF04246-03

Product Overview	ClearLite MICRO 820 16 Short Wavelength Optical Fiber is designed to operate efficiently at both 820 and 850 nm. The fiber has a reduced diameter cladding of 80 µm, a nominal NA of 0.16 and a single UV Acrylate coating.
Typical Applications	• Gyroscopes • Integrated Photonic Devices and Components • Laser Diode Pigtails • Small Packaging Sensors

Product Specifications	
Product Description	**ClearLite MICRO 820 16 Short Wavelength Optical Fiber**
Physical Characteristics	
Coating Material	Single UV Acrylate
Core Diameter (Nominal)	3.7 µm
Cladding Diameter	80 ± 1 µm
Coating/Buffer Diameter	135 ± 5 µm
Clad Non-Circularity	≤ 2.0%
Core/Clad Offset	≤ 0.5 µm
Optical Characteristics	
Type	Single-Mode
Operating Wavelength	820 nm & 850 nm
Cutoff Wavelength	770 ± 40 nm
Mode Field Diameter @ 820 nm	4.1 ± 0.75 µm
Attenuation @ 820 nm	≤ 5 dB/km
Numerical Aperture (Nominal)	0.16
Mechanical and Environmental	
Operating Temperature	-40 to +85 ºC
Short-Term Bend Radius	≥ 5 mm
Long-Term Bend Radius	≥ 9 mm
Proof Test Level	200 kpsi (1.38 GPa)
Order by Part Number	**CF04246-03**
Product Description Code	**SMM-D0820A**
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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