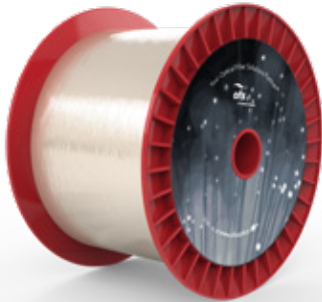


## ClearLite® MICRO 820 16 Short Wavelength Optical Fiber

P/N: CF04246-03



### Overview

OFS ClearLite MICRO 1310 16S single-mode optical fiber is designed to operate efficiently at both 1310 and 1550 nm.

The fiber has a reduced diameter cladding of 80  $\mu\text{m}$ , 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



A Furukawa Company

# ClearLite® MICRO 820 16 Short Wavelength Optical Fiber

P/N: CF04246-03

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
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 °C
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



For additional information please contact your sales representative.

You can also visit our website at [www.ofsoptics.com](http://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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OFS Marketing Communications  
Date: 03/21



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