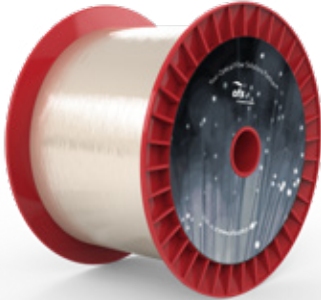# ClearLite® 820 16 Short Wavelength Optical Fiber
P/N: CF04246-04

Overview

OFS ClearLite 820 16 operates at 820 nm and has an NA of 0.16. The fiber has a dual UV acrylate coating. Short wavelength fibers perform in a wide variety of applications, some requiring visible light.

Light sources for this fiber can be LEDs, laser diodes, visible lamps, or gas lasers.

Typical Applications

DWDM Components

EDFAs

Printing of Medical Fused Fiber Couplers

Sensors and Communications Systems

Short Wavelength Laser and LED Sources

Product Specifications	
Product Description	**ClearLite 820 16 Short Wavelength Optical Fiber**
Physical Characteristics	
Coating Material	Dual UV Acrylate
Core Diameter (Nominal)	3.7 µm
Cladding Diameter	125 ± 1 µm
Coating/Buffer Diameter	245 ± 15 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 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	**CF04246-04**
Product Description Code	**SMB-D0820B**

OPTIONS: Buffer Color, Buffer Material, Buffer Size, Cutoff Wavelength, Metalization, Proof Test, Termination

GUIDING LIGHT
FOR A BETTER LIFE.™

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.