



A Furukawa Company

AllWave® FLEX Carbon/Acrylate Optical Fiber

P/N: F78814-02



Features and Benefits

- Compatible with industry standard G.652.D and G.657.A1 single-mode optical fibers
- Hermetic to moisture and hydrogen
- Carbon coating provides high fatigue resistance with n-value in excess of 100
- Standard acrylate dual coating for ease of use and handling

Overview

Based on our AllWave *FLEX* design, this optical fiber maintains compatibility with standard transmission optical fiber. The hermetic carbon coating increases the lifetime of this optical fiber in applications involving stress and/or small radius bends. This coating is also completely hermetic making it the best choice for high moisture or hydrogen rich environments.



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AllWave FLEX Carbon/Acrylate Optical Fiber	
Optical Properties	
Attenuation @ 1310 nm	≤ 0.40 dB/km
Attenuation @ 1385 nm	≤ 0.35 dB/km
Attenuation @ 1550 nm	≤ 0.30 dB/km
Cut off wavelength	1260 ± 50 nm
Modefield diameter @ 1310 nm	8.9 ± 0.4 μm
Modefield diameter @ 1550 nm	10.0 ± 0.5 μm
Geometry Properties	
Clad diameter	125 ± 1 μm
Secondary coating diameter	250 ± 10
Core-clad offset	≤ 0.5
Clad non-circularity	≤ 2 %
Coating concentricity error	≤ 8 μm
Mechanical Properties	
Operating temperature	-40 to 85 °C
Proof test level	100 kpsi
Order by Part Number	F78814-02

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.



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