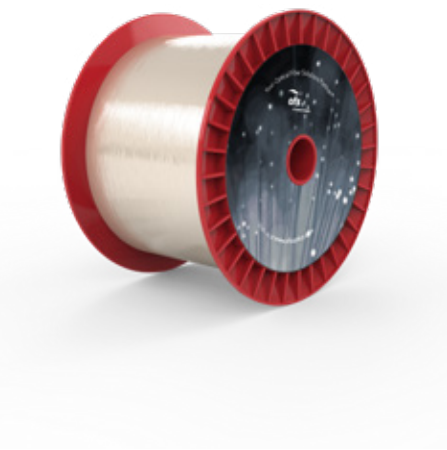
ofs
A Furukawa Company

62.5/125 Graded-Index Optical Fiber

P/N: BF04431-01



Overview

This fiber features a 62.5 µm core and a 125 µm silica cladding. The fiber coating is a 245 µm dual UV acrylate.

62.5 µm fiber is typically recommended for applications where high bandwidth and operability at 1300 nm is specified. The fiber can use either LED or laser light sources.

Typical Applications

Industrial Data Communications

Local-Area Networks

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Product Specifications	
Product Description	**62.5/125 Graded-Index Optical Fiber**
Physical Characteristics	
Coating Material	Dual UV Acrylate
Core Diameter	62.5 ± 2.5 µm
Cladding Diameter	125 ± 1 µm
Coating Diameter	245 ± 10 µm
Core/Clad Offset	≤ 1 µm
Core Non-Circularity	≤ 5%
Clad Non-Circularity	≤ 1.0%
Crimp & Cleave Compatible	No
Optical Characteristics	
Type	Multimode Graded-Index
Numerical Aperture	0.275
Bandwidth @ 1300 nm	≥ 500 MHz-km
Bandwidth @ 850 nm	≥ 200 MHz-km
Attenuation @ 1300 nm	≤ 0.6 dB/km
Attenuation @ 850 nm	≤ 2.9 dB/km
Mechanical and Environmental	
Operating Temperature	-60 to +85 ºC
Short-Term Bend Radius	≥ 10 mm
Long-Term Bend Radius	≥ 17 mm
Proof Test Level	100 kpsi (0.689 GPa)
Order by Part Number	**BF04431-01**
Product Description Code	ACU-MD062C
OPTIONS: Cabling, Connectorization, Metalization	
NOTES: OFS polyimide optical fibers are known to operate in environments up to 300 ºC. Performance is application dependent. Contact our Technical Sales department to discuss your specific application requirements.	

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.

OFS Marketing Communications
Date: 11/19