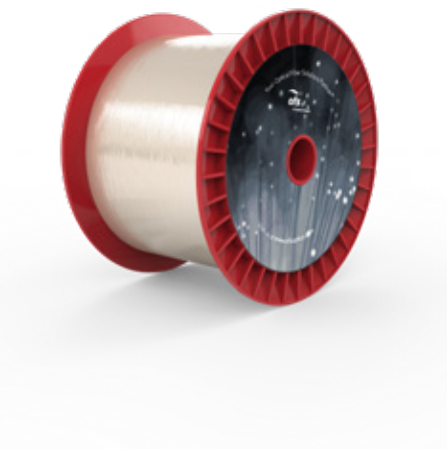
62.5 PYRO Graded-Index Optical Fiber

P/N: BF04434



Overview

This fiber features a 62.5 µm core and a 125 µm silica cladding. The fiber coating is a 155 µm polyimide.

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

Typical Applications

Distributed Temperature-Sensing

Extreme Temperature Environments

ofs
A Furukawa Company

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Product Specifications	
Product Description	**62.5 PYRO Graded-Index Optical Fiber**
Physical Characteristics	
Coating Material	PYROCOAT® Polyimide
Core Diameter	62.5 ± 3 µm
Cladding Diameter	125 ± 2 µm
Coating Diameter	155 ± 5 µm
Core/Clad Offset	≤ 3 µm
Core Non-Circularity	≤ 5%
Clad Non-Circularity	≤ 2.0%
Crimp & Cleave Compatible	No
Optical Characteristics	
Type	Multimode Graded-Index
Numerical Aperture	0.275
Bandwidth @ 1300 nm	≥ 300 MHz-km
Bandwidth @ 850 nm	≥ 160 MHz-km
Attenuation @ 1300 nm	≤ 1.5 dB/km
Attenuation @ 850 nm	≤ 3.5 dB/km
Mechanical and Environmental	
Operating Temperature	-65 to +300 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	**BF04434**
Product Description Code	TCU-MD062H
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
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