



50/125 PYRO Graded-Index Optical Fiber

P/N: F17015



Overview

Designed for compatibility with OM2 industry standard multimode optical fiber, OFS 50/125 PYRO Graded-Index Optical Fiber features our Polyimide coating for use in harsh environments.

This fiber is commonly used in distributed temperature sensing (DTS) applications as well as in the medical industry.

Typical Applications

Industrial Data
Communications
Local-Area Networks
Harsh Environment



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Product Specifications	
Product Description	50/125 PYRO Graded-Index Optical Fiber
Physical Characteristics	
Coating Material	PYROCOAT® Polyimide
Core Diameter	50 ± 3 µm
Cladding Diameter	125 ± 1 µm
Coating Diameter	155 ± 5 µm
Core/Clad Offset	< 3 µm
Core Non-Circularity	≤ 5%
Clad Non-Circularity	≤ 2.0%
Optical Characteristics	
Type	Multimode Graded-Index
Numerical Aperture	0.20 ± 0.015
Overfilled Launch (OFL) Bandwidth @ 1300 nm	≥ 500 MHz-km
Overfilled Launch (OFL) Bandwidth @ 850 nm	≥ 500 MHz-km
Attenuation @ 1300 nm	≤ 1.2 dB/km
Attenuation @ 850 nm	≤ 3.2 dB/km
Mechanical and Environmental	
Operating Temperature	-65 to +300 °C
Short-Term Bend Radius	≥ 10 mm
Long-Term Bend Radius	≥ 17 mm
Proof Test Level	100 kpsi (0.689 GPa)
Order by Part Number	F17015
Product Description Code	TCU-ME050H2

OPTIONS: Cabling, Connectorization, Metalization

NOTES: OFS polyimide optical fibers are known to operate in environments up to 300 °C. 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.



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