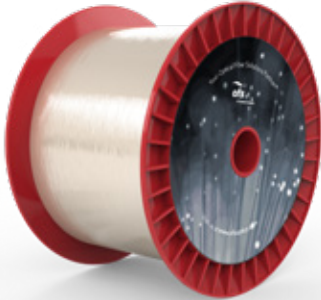


50/125 PYRO Graded-Index Optical Fiber

P/N: BF04433



Overview

This fiber features a 50 μm core and a 125 μm silica cladding. The fiber coating is a 155 μm polyimide.

50/125 PYRO is typically used in applications where high bandwidth and resistance to high temperatures are required. The fiber can use either 850 or 1300 LED or laser light sources.

Typical Applications

Industrial Data Communications

Local-Area Networks



A Furukawa Company

50/125 PYRO Graded-Index Optical Fiber

P/N: BF04433

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 ± 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	0.20
Bandwidth @ 1300 nm	≥ 400 MHz-km
Bandwidth @ 850 nm	≥ 400 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	BF04433
Product Description Code	TCU-ME050H
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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