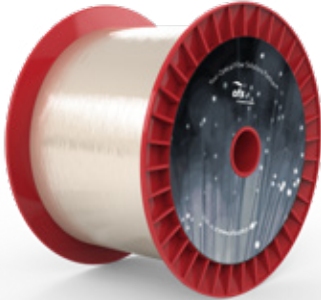


## 100/140/250 Graded-Index Optical Fiber

P/N: BF04432-01



### Overview

This graded-index 100/140  $\mu\text{m}$  multimode fiber has a 100  $\mu\text{m}$  core diameter and a 140  $\mu\text{m}$  cladding diameter. The fiber is designed for use at 850 nm and/ or 1300 nm. It has a dual UV acrylate buffer.

The large core diameter and high Numerical Aperture make this fiber suitable for use in applications where high coupling efficiency to a light source is necessary: industrial systems and transportation platforms, for example.

### Typical Applications

Aerospace and Avionics  
Communications



A Furukawa Company

# 100/140/250 Graded-Index Optical Fiber

P/N: BF04432-01

Product Specifications	
Product Description	100/140/250 Graded-Index Optical Fiber
Physical Characteristics	
Coating Material	Dual UV Acrylate
Core Diameter	100 ± 4 μm
Cladding Diameter	140 ± 3 μm
Coating Diameter	245 ± 10 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	0.29
Bandwidth @ 1300 nm	≥ 100 MHz-km
Bandwidth @ 850 nm	≥ 100 MHz-km
Attenuation @ 1300 nm	≤ 1.5 dB/km
Attenuation @ 850 nm	≤ 4 dB/km
Mechanical and Environmental	
Operating Temperature	-40 to +85 °C
Short-Term Bend Radius	≥ 11 mm
Long-Term Bend Radius	≥ 19 mm
Proof Test Level	100 kpsi (0.689 GPa)
Order by Part Number	BF04432-01
Product Description Code	ACU-MC100C
<b>OPTIONS:</b> Cabling	

For additional information please contact your sales representative.

You can also visit our website at [www.ofsoptics.com](http://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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