



A Furukawa Company

50/125 Graded-Index OM2 Optical Fiber

P/N: BF04430-01



Overview

This fiber features a 50 μm core and a 125 μm silica cladding. The fiber coating is a 250 μm dual UV acrylate.

50 μm fiber is typically recommended for applications where high bandwidth and operability at 850 or 1300 nm are specified. The fiber can use either LED or laser light sources.

Typical Applications

Industrial Data Communications

Local-Area Networks



A Furukawa Company

50/125 Graded-Index OM2 Optical Fiber

P/N: BF04430-01

| Product Specifications | |
|------------------------------|---------------------------------------|
| Product Description | 50/125 Graded-Index OM2 Optical Fiber |
| Physical Characteristics | |
| Coating Material | Dual UV Acrylate |
| Core Diameter | 50 ± 2.5 µm |
| Cladding Diameter | 125 ± 1 µm |
| Coating Diameter | 250 ± 10 µm |
| Core/Clad Offset | ≤ 1.5 µm |
| Core Non-Circularity | ≤ 5% |
| Clad Non-Circularity | ≤ 1.0% |
| Crimp & Cleave Compatible | No |
| Optical Characteristics | |
| Type | Multimode Graded-Index |
| Numerical Aperture | 0.20 |
| Bandwidth @ 1300 nm | ≥ 600 MHz-km |
| Bandwidth @ 850 nm | ≥ 600 MHz-km |
| Attenuation @ 1300 nm | ≤ 0.7 dB/km |
| Attenuation @ 850 nm | ≤ 2.4 dB/km |
| Mechanical and Environmental | |
| Operating Temperature | -40 to +85 °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 | BF04430-01 |
| Product Description Code | ACU-ME050C |

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.



Copyright © 2022 OFS Fitel, LLC.
All rights reserved, printed in USA.

OFS Marketing Communications
Date: 12/22

For a full list of our certifications, visit our website.



InvisiLight is a registered trademark of OFS Fitel, LLC.
OFS reserves the right to make changes to the prices and product(s) described in this document at any time without notice. This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.