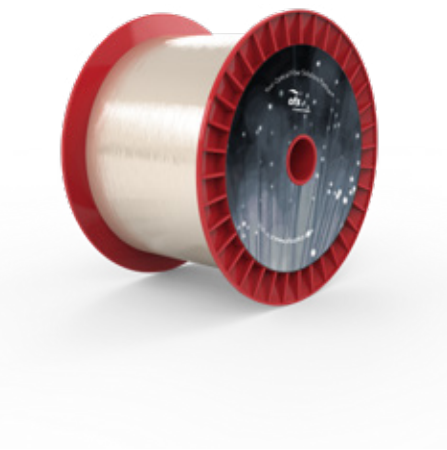
ofs
A Furukawa Company

40/125 Launch Optical Fiber

P/N: BF06269



Overview

These multimode step-index launch optical fibers are designed with low 0.22 numerical aperture — an extra low 0.15 NA is also available. These configurations can handle peak power delivery approaching 1GW/cm2. The coating offers easy mechanical stripping and is compatible with either carbon or PYROCOAT® polyimide coatings, or both, when various combinations of hermeticity and/or high temperature resistance are needed. Launch fibers can also be metalized for hermetic sealing into opto-electronic devices.

Typical Applications

Diode Pumping Systems

Free Space Optics

Medical Sensing and Imaging

Other Industrial Applications

Power Transmission from Visible through Near-IR

Printing

Raman Pumping

SM and MM Communications

Use as Input Fiber in a Power Combiner

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Product Specifications	
Product Description	**40/125 Launch Optical Fiber**
Physical Characteristics	
Core Diameter	40 ± 3.0 µm
Cladding Diameter	125 ± 2.0 µm
Coating Diameter	250 ± 15 µm
Core/Clad Offset	≤ 2 µm
Coating Concentricity	≥ 80%
Clad Non-Circularity	≤ 2.0%
Crimp & Cleave Compatible	No
Coating Material	Dual UV Acrylate
Optical Characteristics	
Type	Multimode Step-Index
Numerical Aperture	0.22
Numerical Aperture Tolerance	± 0.02
Attenuation @ 850 nm	≤ 10 dB/km
Water Content	Low OH
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	**BF06269**
OPTIONS: Buffer Color, Buffer Diameter, Buffer Material, Cabling, Clad Diameter, Connectorization, Core Diameter, Metalization, Numerical Aperture, Proof Test	

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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