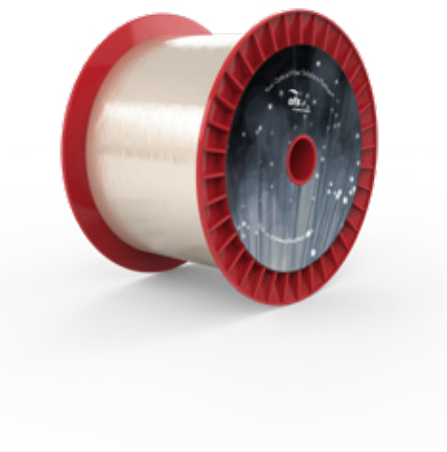
ofs
A Furukawa Company

105/125 Launch Optical Fiber

P/N: BF05859



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	**105/125 Launch Optical Fiber**
Physical Characteristics	
Core Diameter	105 ± 3.0 µm
Cladding Diameter	125 ± 2.0 µm
Coating Diameter	250 ± 15 µm
Core/Clad Offset	≤ 3 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	≤ 12 dB/km
Water Content	Low OH
Mechanical and Environmental	
Operating Temperature	-40 to +85 °C
Short-Term Bend Radius	≥ 5 mm
Long-Term Bend Radius	≥ 9 mm
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	**BF05859**
OPTIONS: Buffering, Cabling, Coating Color, Connectorization, Core Diameter, Metalization	

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
Date: 12/19