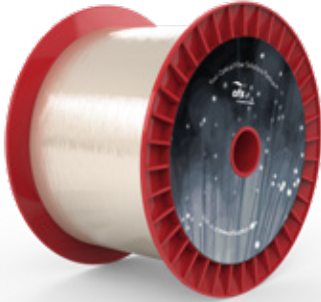


## 105/125 Low NA Launch Optical Fiber

P/N: F10017



### 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/cm<sup>2</sup>. The coating offers easy mechanical stripping and is compatible with either carbon or PYROCOAT<sup>®</sup> 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.

Most of the attenuation is induced by the spooling of this Low NA product. Observed loss in application will be less.

### 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



A Furukawa Company

# 105/125 Low NA Launch Optical Fiber

P/N: F10017

Product Specifications	
Product Description	105/125 Low NA 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	0.15
Numerical Aperture Tolerance	± 0.015
Attenuation @ 850 nm	≤ 20 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	F10017

**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](http://www.ofsoptics.com) or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



Copyright © 2019 OFS Fitel, LLC.  
All rights reserved, printed in USA.

OFS Marketing Communications  
Date: 12/19



PYROCOAT 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.