

400µm 0.22 NA VIS/NIR Fiber, 10m Length



Stock **#57-087** CLEARANCE **3 In Stock**

⊖ 1 ⊕ **S\$228¹³**

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Qty 1+	S\$228.13 each
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General

Fiber ends are not polished. **Note:**

Physical & Mechanical Properties

440 ±8.8 **Cladding Diameter (µm):**

88/44 (Continuous/Momentary) **Minimum Bend Radius (mm):**

Length (m):
10.00

Outer Diameter (μm):
480 \pm 5

Core Diameter (μm):
400 \pm 8

Optical Properties

Acceptance Angle ($^\circ$):
25.4

Coating:
VIS/NIR

Substrate:
Fused Silica

Numerical Aperture NA:
0.22

Index of Refraction (n_d) - Core:
1.457

Index of Refraction (n_d) - Cladding:
1.440

Wavelength Range (nm):
300 - 2400

Numerical Aperture (NA) Tolerance:
 \pm 0.02

Material Properties

Buffer Material:
Polyimide

Environmental & Durability Factors

Operating Temperature ($^\circ\text{C}$):
-190 to +390

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Reach 209:
[Compliant](#)

Certificate of Conformance:
[View](#)

Product Details

UV/VIS Optical Fibers

- High OH Content
- Fused Silica Core
- Stepped Index
- Multimode Fiber

VIS/NIR Optical Fibers

- Low OH Content
- Ideal for Use with NIR Diode Lasers
- Fused Silica Core
- Stepped Multimode Fiber

Buffered Fiber Optics are ideal for regions of the UV/Visible and Visible/NIR spectrum not covered by our plastic optical fibers. These fibers have a fused silica core and cladding, as well as a polymer buffer for added protection. Fiber diameters of 50 μm – 600 μm feature a high temperature, high strength polyimide buffer, while the 1mm fibers are buffered with nylon for greater protection. Buffered Fiber Optics are offered in UV/VIS or VIS/NIR Fibers in 10 and 25m lengths, from 50 to 600 μm .

Note: Fiber ends are not polished.

Technical Information



