

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



Stock #57-087 CLEARANCE 3 In Stock

⊖ 1 ⊕ S\$323⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-4 | S\$323.40 each |
| Qty 5+ | S\$285.60 each |
| Need More? | Request Quote |

Product Downloads

General

Note:

Fiber ends are not polished.

Physical & Mechanical Properties

Cladding Diameter (µm):
440 ±8.8

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

| | |
|--------|----------------------|
| 10.00 | Length (m): |
| 480 ±5 | Outer Diameter (µm): |
| 400 ±8 | Core Diameter (µm): |

Optical Properties

| | |
|--------------|---|
| 25.4 | Acceptance Angle (°): |
| VIS/NIR | Coating: |
| Fused Silica | Substrate: □ |
| 0.22 | Numerical Aperture NA: |
| 1.457 | Index of Refraction (n ₁) - Core: |
| 1.440 | Index of Refraction (n ₂) - Cladding: |
| 300 - 2400 | Wavelength Range (nm): |
| ±0.02 | Numerical Aperture (NA) Tolerance: |

Material Properties

| | |
|-----------|------------------|
| Polyimide | Buffer Material: |
|-----------|------------------|

Environmental & Durability Factors

| | |
|--------------|-----------------------------|
| -190 to +390 | Operating Temperature (°C): |
|--------------|-----------------------------|

Regulatory Compliance

| | |
|---------------------------|-----------------------------|
| Compliant | RoHS 2015: |
| Compliant | Reach 209: |
| View | Certificate of Conformance: |

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 50µm – 600µm 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/MS or VIS/NIR Fibers in 10 and 25m lengths, from 50 to 600µm.

Note: Fiber ends are not polished.

Technical Information

