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## 50µm 0.22 NA VIS/NIR Fiber, 25m Length



Stock **#57-090** **1 In Stock**

MRP ₹16,142

Price inclusive of all taxes

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Volume Pricing	
Qty 1-4	₹16,142 each
Qty 5-24	₹14,231 each
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### Product Downloads

### General

**Note:**

Fiber ends are not polished.

### Physical & Mechanical Properties

Cladding Diameter (µm):  
125 +1/-3

Minimum Bend Radius (mm):

Length (m):  
25.00

Outer Diameter (µm):  
145 ±5

Core Diameter (µm):  
50 ±2

## Optical Properties

Acceptance Angle (°):  
25.4

Coating:  
VIS/NIR

Substrate:   
Fused Silica

Numerical Aperture NA:  
0.22

Index of Refraction (n<sub>d</sub>) - Core:  
1.457

Index of Refraction (n<sub>d</sub>) - Cladding:  
1.440

Wavelength Range (nm):  
300 - 2400

Numerical Aperture (NA) Tolerance:  
±0.02

## Material Properties

Buffer Material:  
Polyimide

## Environmental & Durability Factors

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

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Reach 209:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

Country of Origin:  
United States

Imported By:  
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## 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

