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



Stock **#57-072** **3 In Stock**

1  £118<sup>00</sup>

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### Volume Pricing

Qty 1-4	£118.40 each
Qty 5-24	£104.80 each
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**!** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

**Note:**

Fiber ends are not polished.

### Physical & Mechanical Properties

125 +1/-3      Cladding Diameter (µm):

<b>Minimum Bend Radius (mm):</b>	
25/13 (Continuous/Momentary)	
<b>Length (m):</b>	
25.00	
<b>Outer Diameter (µm):</b>	
145 ±5	
<b>Core Diameter (µm):</b>	
50 ±2	
Optical Properties	
<b>Acceptance Angle (°):</b>	
25.4	
<b>Coating:</b>	
UV/MS	
<b>Substrate:</b> <input type="checkbox"/>	
Fused Silica	
<b>Numerical Aperture NA:</b>	
0.22	
<b>Index of Refraction (n<sub>1</sub>) - Core:</b>	
1.457	
<b>Index of Refraction (n<sub>1</sub>) - Cladding:</b>	
1.439	
<b>Wavelength Range (nm):</b>	
190 - 1250	
<b>Numerical Aperture (NA) Tolerance:</b>	
±0.02	
Material Properties	
<b>Buffer Material:</b>	
Polyimide	
Environmental & Durability Factors	
<b>Operating Temperature (°C):</b>	
-190 to +390	
Regulatory Compliance	
<b>RoHS 2015:</b>	
<a href="#">Compliant</a>	
<b>Reach 209:</b>	
<a href="#">Compliant</a>	
<b>Certificate of Conformance:</b>	
<a href="#">View</a>	

## 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

