

## 400µm 0.22 NA UV/VIS Fiber, 25m Length



Stock **#57-075** [CONTACT US](#)

- 1 + £448<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | £448.00 each                  |
| Qty 5-24       | £396.80 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**!** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

**Note:**

Fiber ends are not polished.

### Physical & Mechanical Properties

440 ±8.8      Cladding Diameter (µm):

|   |  |
|---|--|
| 88/44 (Continuous/Momentary)                  | <b>Minimum Bend Radius (mm):</b>                       |
| 25.00   | <b>Length (m):</b>                                     |
| 480 ±10                                       | <b>Outer Diameter (µm):</b>                            |
| 400 ±8  | <b>Core Diameter (µm):</b>                             |
| <b>Optical Properties</b>                     |  |
| 25.4  | <b>Acceptance Angle (°):</b>                           |
| UVMS  | <b>Coating:</b>  |
| Fused Silica                                  | <b>Substrate:</b> <input type="checkbox"/>             |
| 0.22  | <b>Numerical Aperture NA:</b>                          |
| 1.457   | <b>Index of Refraction (n<sub>1</sub>) - Core:</b>     |
| 1.439   | <b>Index of Refraction (n<sub>1</sub>) - Cladding:</b> |
| 190 - 1250                                    | <b>Wavelength Range (nm):</b>                          |
| ±0.02   | <b>Numerical Aperture (NA) Tolerance:</b>              |
| <b>Material Properties</b>                    |  |
| Polyimide                                     | <b>Buffer Material:</b>                                |
| <b>Environmental &amp; Durability Factors</b> |  |
| -190 to +390                                  | <b>Operating Temperature (°C):</b>                     |
| <b>Regulatory Compliance</b>                  |  |
| <a href="#">Compliant</a>                     | <b>RoHS 2015:</b>                                      |
| <a href="#">Compliant</a>                     | <b>Reach 209:</b>                                      |
| <a href="#">View</a>                          | <b>Certificate of Conformance:</b>                     |

## 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

