

# 100µm 0.22 NA UV/VIS Fiber, 25m Length



Stock **#57-073** 1 In Stock

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1

+

£84.<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | £84.80 each                   |
| Qty 5-24       | £75.20 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

110 ±3

Cladding Diameter (µm):

|                                                            |  |
|------------------------------------------------------------|--|
| Minimum Bend Radius (mm):<br>22/11 (Continuous/Momentary)  |  |
| Length (m):<br>25.00                                       |  |
| Outer Diameter (µm):<br>124 ±3                             |  |
| Core Diameter (µm):<br>100 ±3                              |  |
| Optical Properties                                         |  |
| Acceptance Angle (°):<br>25.4                              |  |
| Coating:<br>UV/MS                                          |  |
| Substrate: <input type="checkbox"/><br>Fused Silica        |  |
| Numerical Aperture NA:<br>0.22                             |  |
| Index of Refraction (n <sub>d</sub> ) - Core:<br>1.457     |  |
| Index of Refraction (n <sub>d</sub> ) - Cladding:<br>1.439 |  |
| Wavelength Range (nm):<br>190 - 1250                       |  |
| Numerical Aperture (NA) Tolerance:<br>±0.02                |  |
| Material Properties                                        |  |
| Buffer Material:<br>Polyimide                              |  |
| Environmental & Durability Factors                         |  |
| Operating Temperature (°C):<br>-190 to +390                |  |
| Regulatory Compliance                                      |  |
| RoHS 2015:<br><div>Compliant</div>                         |  |
| Reach 209:<br><div>Compliant</div>                         |  |
| Certificate of Conformance:<br><div>View</div>             |  |

## 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

