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



Stock **#57-090** **3 In Stock**

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1

+

£121⁶⁰

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Volume Pricing	
Qty 1-4	£121.60 each
Qty 5-24	£107.20 each
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Product Downloads

General

Note:

Fiber ends are not polished.

Physical & Mechanical Properties

125 +1/-3

Cladding Diameter (µm):

Minimum Bend Radius (mm): 25/13 (Continuous/Momentary)	
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 _d) - Core: 1.457	
Index of Refraction (n _d) - 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	

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

