

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



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

£121⁰⁰

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

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: <input type="checkbox"/>	
Fused Silica	
Numerical Aperture NA:	
0.22	
Index of Refraction (n₁) - Core:	
1.457	
Index of Refraction (n₁) - 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

