

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



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

⊖ 1 ⊕ A\$243²⁰

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Volume Pricing	
Qty 1-4	A\$243.20 each
Qty 5-24	A\$214.40 each
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General

Note:

Fiber ends are not polished.

Physical & Mechanical Properties

Cladding Diameter (µm):
125 +1/-3

Minimum Bend Radius (mm):
25/13 (Continuous/Momentary)

25.00	Length (m):
145 ±5	Outer Diameter (µm):
50 ±2	Core Diameter (µm):

Optical Properties

25.4	Acceptance Angle (°):
VIS/NIR	Coating:
Fused Silica	Substrate: □
0.22	Numerical Aperture NA:
1.457	Index of Refraction (n ₁) - Core:
1.440	Index of Refraction (n ₂) - Cladding:
300 - 2400	Wavelength Range (nm):
±0.02	Numerical Aperture (NA) Tolerance:

Material Properties

Polyimide	Buffer Material:
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Environmental & Durability Factors

-190 to +390	Operating Temperature (°C):
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Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:

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

