

50µm 0.22 NA VIS/NIR Fiber, 10m Length



Stock **#57-084** CLEARANCE CONTACT US

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+

€59⁰⁰

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Volume Pricing	
Qty 1-4	€59,00 each
Qty 5+	€52,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Fiber ends are not polished.

Note:

Physical & Mechanical Properties	
125 +1/-3	Cladding Diameter (μm):
25/13 (Continuous/Momentary)	Minimum Bend Radius (mm):
10.00	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 _d) - Core:
1.440	Index of Refraction (n _d) - Cladding:
300 - 2400	Wavelength Range (nm):
±0.02	Numerical Aperture (NA) Tolerance:
Material Properties	
Polyimide	Buffer Material:
Environmental & Durability Factors	
-190 to +390	Operating Temperature (°C):
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

