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100µm 0.22 NA VIS/NIR Fiber, 25m Length

Stock **#57-091** CONTACT US

- 1 + **S$152.60**

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Volume Pricing	
Qty 1-4	**S$152.60** each
Qty 5-24	**S$135.10** each
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General

Note:
Fiber ends are not polished.

Physical & Mechanical Properties

Cladding Diameter (µm):
110 ±3

Minimum Bend Radius (mm):
22/11 (Continuous/Momentary)

Length (m):	25.00
Outer Diameter (µm):	124 ±3
Core Diameter (µm):	100 ±3

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

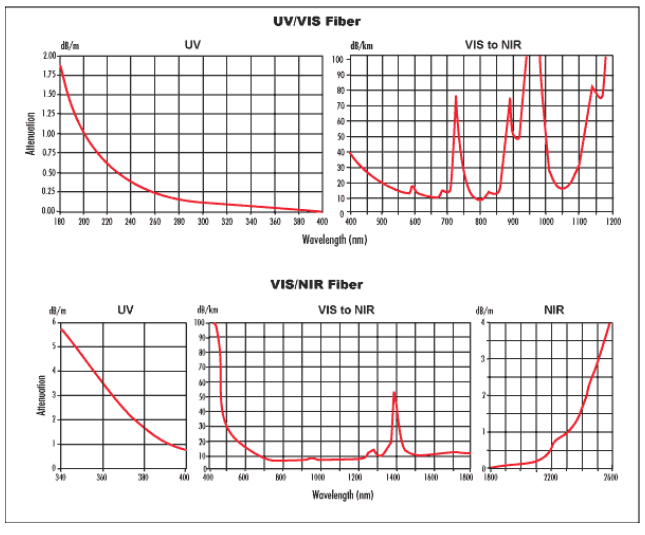
VIS/NIR Optical Fibers

- 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/VIS or VIS/NIR Fibers in 10 and 25m lengths, from 50 to 600µm.

Note: Fiber ends are not polished.

Technical Information


UV/VIS Fiber
dB/m
UV
dB/km
VIS to NIR
Attenuation
Wavelength (nm)
VIS/NIR Fiber
dB/m
UV
dB/km
VIS to NIR
dB/m
NIR
Attenuation
Wavelength (nm)

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