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

Stock **#57-073** CONTACT US

- 1 + **MRP ₹11,257**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-4	**₹11,257** each
Qty 5-24	**₹9,983** 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:
UV/VIS

Substrate:
Fused Silica

Numerical Aperture NA:
0.22

Index of Refraction (n_d) - Core:
1.457

Index of Refraction (n_d) - Cladding:
1.439

Wavelength Range (nm):
190 - 1250

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

Country of Origin:
United States

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

UV/VIS Optical Fibers

- High OH Content
- Fused Silica Core
- Stepped Index
- Multimode Fiber

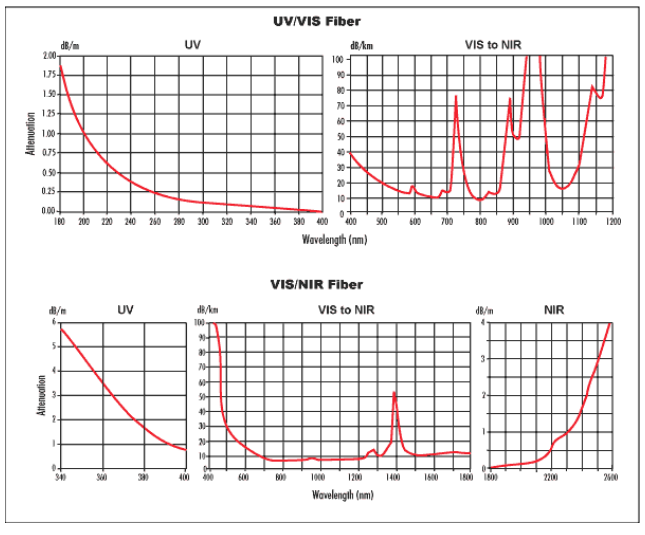
VIS/NIR Optical Fibers

- 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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