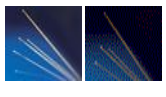
See all 11 Products in Family

400µm 0.22 NA VIS/NIR Fiber, 10m Length



Stock **#57-087** CLEARANCE **3 In Stock**

- 1 + **£184**.80

ADD TO CART

Volume Pricing	
Qty 1-4	**£184.80** each
Qty 5+	**£163.20** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Note:

Fiber ends are not polished.

Physical & Mechanical Properties

Cladding Diameter (µm):

440 ±8.8

Minimum Bend Radius (mm):
88/44 (Continuous/Momentary)

Length (m):
10.00

Outer Diameter (µm):
480 ±5

Core Diameter (µm):
400 ±8

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

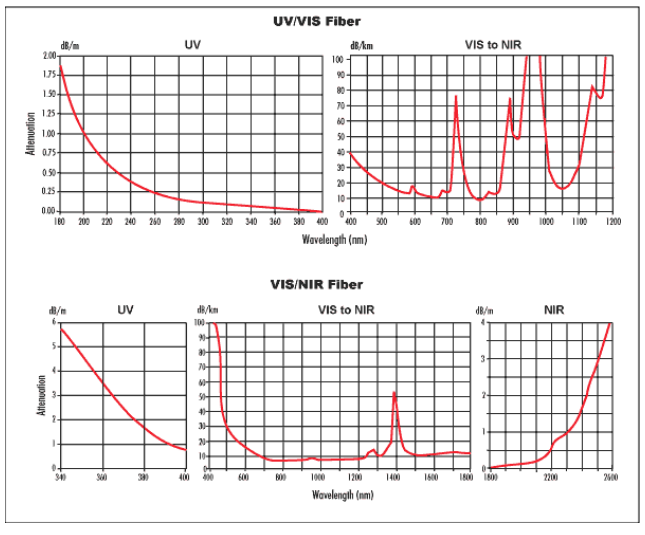
VIS/NIR Optical Fibers

- 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)

;