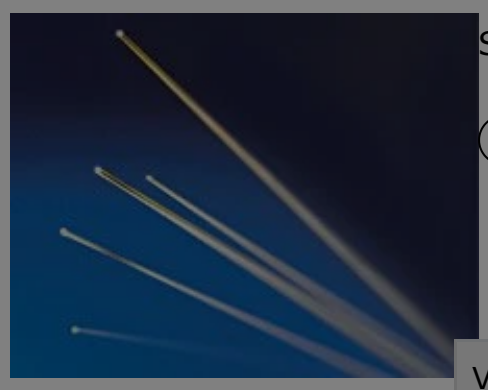
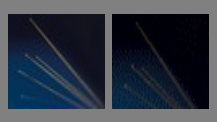
400µm 0.22 NA





- 1 +

€575,00

ADD TO CART

Volume Pricing	
Qty 1-4	**€575,00** each
Qty 5-24	**€510,00** each
Need More?	**Request Quote**

Prices shown are exclusive of VAT/local taxes

Product Downloads

EO Spec Sheet

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):	25.00	**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

Frequently Purchased Together

#57-075 – 400µm 0.22 NA UV/VIS Fiber, 25m Length

€560,00

Qty

#57-092 – 200µm 0.22 NA VIS/NIR Fiber, 25m Length

€213,00

Qty

Resources

Media Type

- FAQ
- Glossary
- Technical Tool
- Video

? FAQ

What diameter beam will an optical fiber output?

? FAQ

What is the numerical aperture of a fiber?

? FAQ

Why do optical fibers lose so much energy?

? FAQ

What is the attenuation

? FAQ

What is the difference

? FAQ

What is the difference between single-mode...

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