

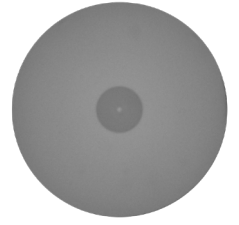
SPECIALTY OPTICAL FIBER

IXF-SM-375-125-010

Single Mode Fiber

The IXF-SM family regroups singlemode fibers designed for operation from UV to NIR wavelengths. Available with different cladding diameter, numerical aperture, and coating material, a wide range of singlemode fibers are available.

The IXF-SM-375-125-010 is a solarization resistant pure silica core fiber.



Benefits & Features

- 350 - 500 nm operating wavelength range
- Solarization resistant
- Pure silica core
- Excellent core/clad concentricity for low splice loss
- Matching PM fiber available
- Other coatings available upon request

Applications

- Transport of UV laser
- Ion trapping for quantum applications

Related Products

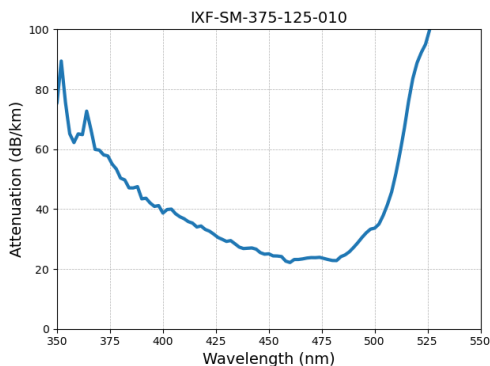
- IXF-PMF-SC-375-125-P-010 Matching PM fiber

Parameters

Cutoff wavelength (nm)	< 350
Attenuation @375 nm (dB/km)	< 60
Attenuation @400 nm (dB/km)	< 50
Mode field diameter @375 nm (μm)	3.0 ± 0.5
Mode field diameter @400 nm (μm)	3.2 ± 0.5
Numerical aperture	0.10 ± 0.01
Core/Clad concentricity (μm)	< 0.5
Cladding diameter (μm)	125 ± 1
Coating diameter (μm)	245 ± 15
Proof test level (kpsi)	100

Design parameters

Core material	Pure silica core
Coating material	Dual acrylate
Operating temperature range (°C)	-60 to +85



Typical attenuation spectrum of the IXF-SM-375-125-010 fiber

Exail reserves the right to change, at any time and without notice, the specifications, design, function or form of its products described herein.

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