

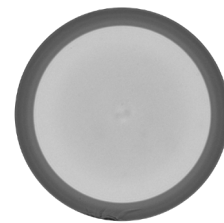
SPECIALTY OPTICAL FIBER

IXF-MMSI-L-105-125-022

Multimode Fiber

Exail offers a wide range of step-index and graded-index multimode fibers. Step-index multimode fibers offer a large core and are well-suited to connectorize pump diodes for high-power delivery, spectroscopy or medical applications.

Step-index multimode fibers are available with low-OH, mid-OH and high-OH content depending on the operating wavelength range. Other coatings and geometries are available upon request.



Benefits & Features

- Ø105 µm core, Ø125 µm cladding
- 0.22 numerical aperture, step-index profile
- Low-OH content, optimized for VIS-NIR operation

Applications

- Diode pigtailling
- High power delivery
- Pump combiner manufacturing
- Spectroscopy

Related Products

- IXF-RAD-MMSI-L-105-125-022 Rad-Hard
- IXF-MMSI-L-105-125-022-HT HT acrylate coating
- IXF-MMSI-L-105-125-022-PI Polyimide coating

Parameters

Core diameter (µm)	105 ± 3
Cladding diameter (µm)	125 ± 2
Numerical aperture	0.22 ± 0.02
Background losses (800-1300nm) *	≤ 10
Core/Clad concentricity (µm)	≤ 2.0
Coating diameter (µm)	245 ± 15
Proof test level (kpsi)	100

* 150 mm bending diameter

Design parameters

Core material	Pure silica core
OH content	Low-OH
Coating material	Dual acrylate
Operating temperature range (°C)	-60 to +85
Cladding shape	Circular

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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