

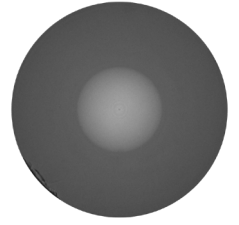
SPECIALTY OPTICAL FIBER

IXF-MMGI-50-125-020

Multimode Fiber

The IXF-MMGI family includes graded-index multimode fibers designed for use in harsh environments with extreme temperatures and/or low to moderate radiation levels. Exail offers a wide range of polymer and metallic coatings well-suited for high-temperature applications.

Graded index multimode fibers can be manufactured with custom geometry, numerical aperture and coatings including acrylate, polyimide and metallic coatings.



Benefits & Features

- Graded-index 50-125 multimode fiber
- Low temporal dispersion
- Ø125 µm cladding diameter
- Wide operating wavelength range
- Radiation tolerant
- Custom designs on demand
- Other coatings upon request (polyimide and metallic)

Applications

- Imaging
- Sensing
- Mode field adaptor

Related Products

- IXF-MMGI-62-125-027 62.5 µm core
- IXF-MMGI-50-125-020-AL 50 µm core, Al coating
- IXF-MMGI-50-250-020-PI 50 µm core, Pi coating
- IXF-MMGI-19-80-017 19 µm core
- IXF-MMGI-33-145-024 33 µm core

Parameters

Attenuation @850 nm (dB/km)	≤ 3
Attenuation @1300 nm (dB/km)	≤ 1
Numerical aperture	0.20 ± 0.02
Core/Clad concentricity (µm)	≤ 1
Cladding diameter (µm)	125 ± 2
Core diameter (µm)	50 ± 2
Coating diameter (µm)	245 ± 15
Proof test level (kpsi)	100

Design parameters

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

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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