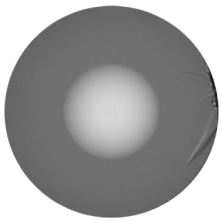
SPECIALTY OPTICAL FIBER

IXF-MMGI-62-125-027-HT



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 62.5-125 multimode fiber
- Low temporal dispersion
- Ø125 µm cladding diameter
- Wide operating wavelength range
- High temperature acrylate coating
- Operating temperature up to +150 °C
- Other coatings upon request (polyimide and metallic)

Applications

- Imaging
- Sensing
- Mode field adaptor

Related Products

• IXF-MMGI-62-125-027	Acrylate coating
• IXF-MMGI-50-125-020	Ø50 µm core, acrylate coating
• IXF-MMGI-50-125-020-PI	Ø50 µm core, polyimide coating
• IXF-MMGI-50-125-020-AL	Ø50 µm core, aluminum coating
• IXF-MMGI-19-80-017	Ø19 µm core
• IXF-MMGI-33-145-024	Ø33 µm core
• IXF-MMGI-250-300-012	Ø250 µm core

Parameters

Attenuation @850 nm (dB/km)	≤ 8.0
Attenuation @1300 nm (dB/km)	≤ 1.5
Numerical aperture	0.275 ± 0.02
Core/Clad concentricity (µm)	≤ 1
Cladding diameter (µm)	125 ± 2
Core diameter (µm)	62.5 ± 2.5
Coating diameter (µm)	245 ± 15
Proof test level (kpsi)	100

Design parameters

Coating material	High-temperature acrylate
Operating temperature range (°C)	-60 to +150

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