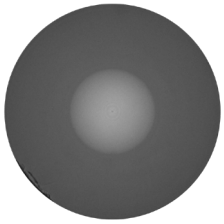
SPECIALTY OPTICAL FIBER

IXF-MMGI-50-125-020-AL



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.
Aluminum coated fibers offer a wide operating temperature range, from cryogenic temperatures up to +400 °C. They are also hermetic to hydrogen, mitigating hydrogen darkening in hydrogen-rich environments.

The IXF-MMGI-50-125-020-AL fiber is radiation tolerant and can be used under low to moderate radiation levels.

Benefits & Features

- Graded-index 50-125 multimode fiber
- Aluminum coating
- Operating temperature up to +400 °C
- Radiation tolerant for low to moderate radiation levels
- Hermetic to hydrogen and water vapor
- Solderable directly to connectors

Applications

- Distributed Temperature Sensing (DTS)
- Sensing
- Transport fiber

Related Products

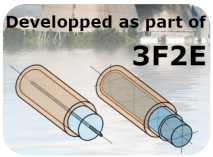
• IXF-MMGI-50-125-020-PI	Polyimide, Øclad 125 µm
• IXF-MMGI-50-250-020-PI	Polyimide, Øclad 250 µm
• IXF-SM-1550-125-014-AL	SM 1550 nm, NA 0.14
• IXF-SM-1550-125-019-AL	SM 1550 nm, NA 0.19
• IXF-SM-1060-125-014-AL	SM 1060 nm
• IXF-RAD-SM-1550-014-AL	Rad-Hard SM fiber

Parameters

Attenuation @850 nm (dB/km)	≤ 25
Attenuation @1300 nm (dB/km)	≤ 25
Numerical aperture	0.20 ± 0.02
Core/Clad concentricity (µm)	≤ 1
Cladding diameter (µm)	125 ± 2
Core diameter (µm)	50 ± 2
Coating diameter (µm)	170 ± 10
Proof test level (kpsi)	100

Design parameters

Coating material	Aluminum
Operating temperature range (°C)	-269 to +400
Short term bend radius (mm)	15
Long term bend radius (mm)	30



More information about the 3F2E project

MADE IN FRANCE

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