

IXF-MMGI-50-250-020-PI

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.

Polyimide coated fibers offer a wide operating temperature range, from cryogenic temperatures up to +300 °C. The IXF-MMGI-50-250-020-PI fiber is radiation tolerant and can be used under low to moderate radiation levels.



Benefits & Features

- Graded-index 50-250 multimode fiber
- Polyimide coating
- Operating temperature up to +300 °C
- Radiation tolerant for low to moderate radiation levels

Applications

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

Related Products

- IXF-MMGI-50-125-020-AL
- IXF-SM-1550-125-014-AL
- IXF-RAD-SM-1550-014-AL (Rad-Hard fiber)

Parameters

Attenuation @850 nm (dB/km)	≤ 3
Attenuation @1300 nm (dB/km)	≤ 1
Numerical aperture	0.20 ± 0.02
Core/Clad concentricity (μm)	≤ 2
Cladding diameter (μm)	250 ± 5
Core diameter (μm)	50 ± 2
Coating diameter (μm)	280 ± 10
Proof test level (kpsi)	50

Design parameters

Coating material	Polyimide
Operating temperature range (°C)	-60 to +300

Typical RIA @1310 nm for 200 Gy (X-ray, 4.6 mGy/s, RT) : 5 dB/km

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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