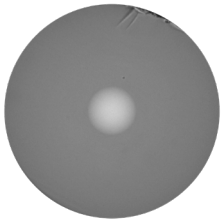
SPECIALTY OPTICAL FIBER

# IXF-MMGI-33-145-024

## 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 and various coatings including acrylate, polyimide and metallic coatings.

### Benefits & Features

- Graded-index 33-145 multimode fiber
- Low temporal dispersion
- Ø145 µm cladding diameter
- Wide operating wavelength range
- Custom designs on demand
- Other coatings upon request (polyimide and metallic)

### Applications

- Imaging
- Sensing
- Mode field adaptor

### Related Products

- IXF-MMGI-50-125-020 — 50 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-62-125-027 — 62.5 µm core
- IXF-MMGI-19-80-017 — 19 µm core

### Parameters

| | |
|---|---|
| Attenuation @850 nm (dB/km) | ≤ 3.5 |
| Attenuation @1300 nm (dB/km) | ≤ 1 |
| Numerical aperture | 0.24 ± 0.02 |
| Core/Clad concentricity (µm) | ≤ 1 |
| Cladding diameter (µm) | 145 ± 2 |
| Core diameter (µm) | 33 ± 2 |
| Coating diameter (µm) | 260 ± 15 |
| Proof test level (kpsi) | 100 |

### Design parameters

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



contact.photonics@exail.com | www.exail.com
Europe +33 1 30 08 94 50 | Americas +1 508 745 3487 | APAC +60 11 1623 1698