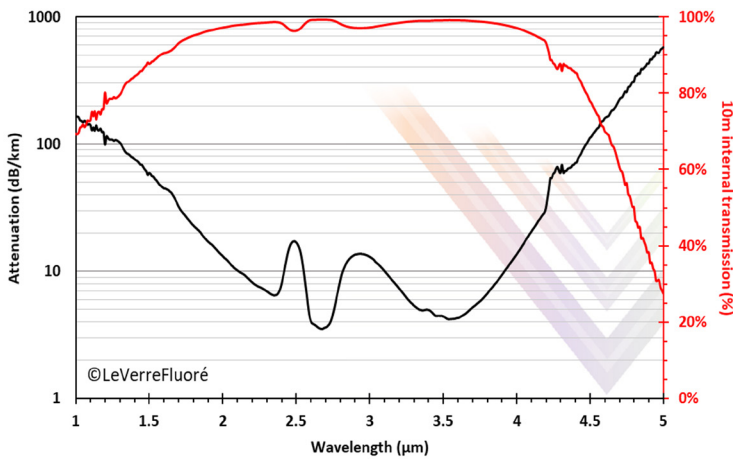


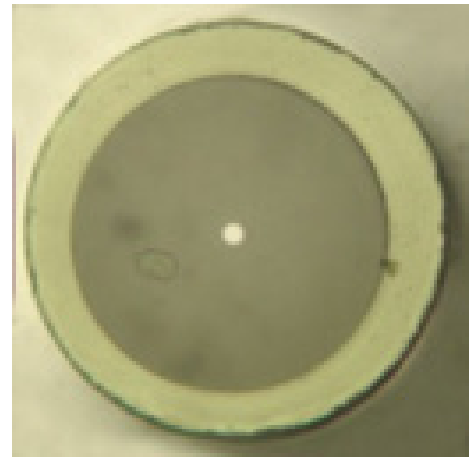
Indium Fluoride Glass Fibers

Specifications of Single Mode IFG fibers

Typical Background Loss	< 15 dB/km
Fresnel Loss (Backwards Reflection)	4% per face (air)
Coating Material	UV curable acrylate
Operating Temperature	-180°C to 150°C
Customization	Custom cut-off Custom NA (0.18 - 0.32) Custom core size (from 1 μm diameter)



LVF typical InF3 7.5/125 single mode fibers:
 Attenuation per km
 Transmission for 10m

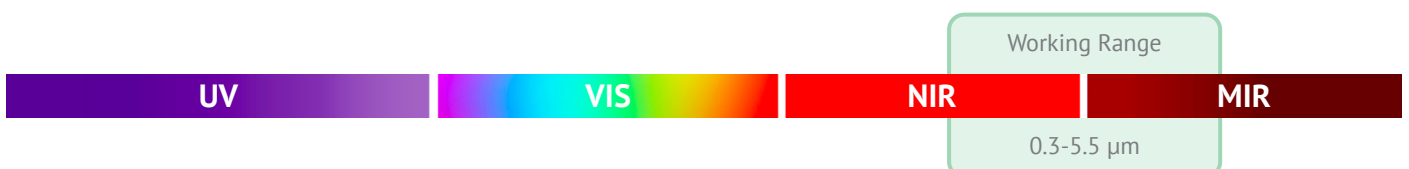


Single mode IFG fiber cross-section

Parameters of Single Mode IFG Fibers

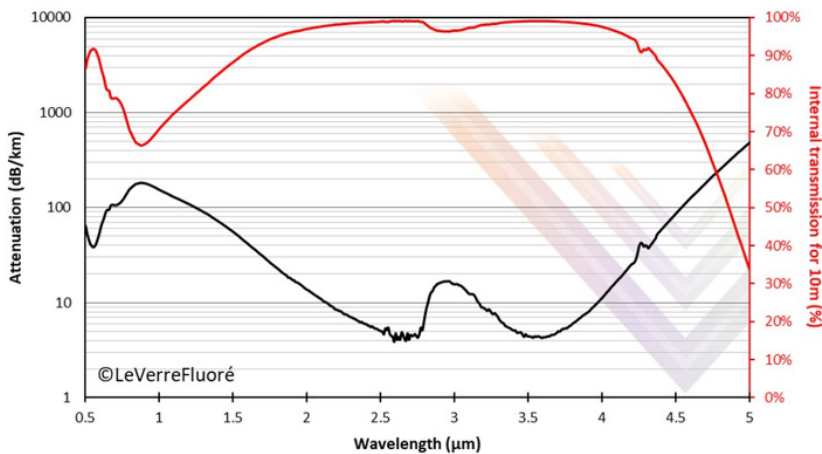
Standard Fiber	Core/Clad Diameter	Numerical Aperature	Cutoff Wavelength	Operating Wavelength	Short Term Bend Radius	Long Term Bend Radius
IFG SM [2.95] 7.5/125	7.5/125 μm	0.30	2.95 μm	0.3-5.5 μm	≥ 15mm	≥ 45mm
IFG SM [3.3] 8.5/125	8.5/125 μm	0.30	3.3 μm	0.3-5.5 μm	≥ 15mm	≥ 45mm
IFG SM [3.7] 9.5/125	9.5/125 μm	0.30	3.7 μm	0.3-5.5 μm	≥ 15mm	≥ 45mm

All fibers are available as **fiber patch cables** or **fiber bundles**

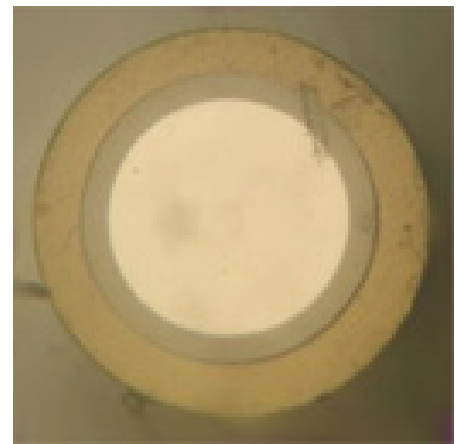


Specifications of Multi Mode IFG fibers

Operating Wavelength	0.3-5.5 μm
Typical Optical Loss at 2.5 μm	< 10 dB/km
Fresnel Loss (Backwards Reflection)	4% per face (air)
Coating Material	UV curable acrylate
Operating Temperature	-180°C to 150°C
Customization	Custom NA (0.18 - 0.32) Custom core/cladding size (up to 1mm core diameter)



LVF typical InF3 multimode fibers:
Attenuation per km
Transmission for 10m



Multi mode IFG fiber cross-section

Parameters of Multi Mode IFG Fibers

Standard Fiber	Core/Clad Diameter	Numerical Aperture	Short Term Bend Radius	Long Term Bend Radius
IFG MM (NA) 100/160	100/160 μm	0.20/0.30	≥ 15 mm	≥ 45 mm
IFG MM (NA) 200/260	200/260 μm	0.20/0.30	≥ 25 mm	≥ 75 mm
IFG MM (NA) 300/360	300/360 μm	0.20/0.30	≥ 40 mm	≥ 100 mm
IFG MM (NA) 400/460	400/460 μm	0.20/0.30	≥ 55 mm	≥ 120 mm
IFG MM (NA) 600/680	600/680 μm	0.20/0.30	≥ 90 mm	≥ 150 mm

All fibers are available as **fiber patch cables** or **fiber bundles**

