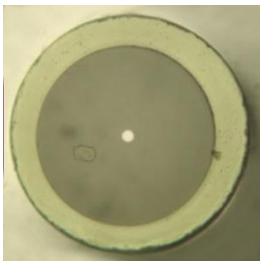




## Discover our range of **standard IFG singlemode fibers** :



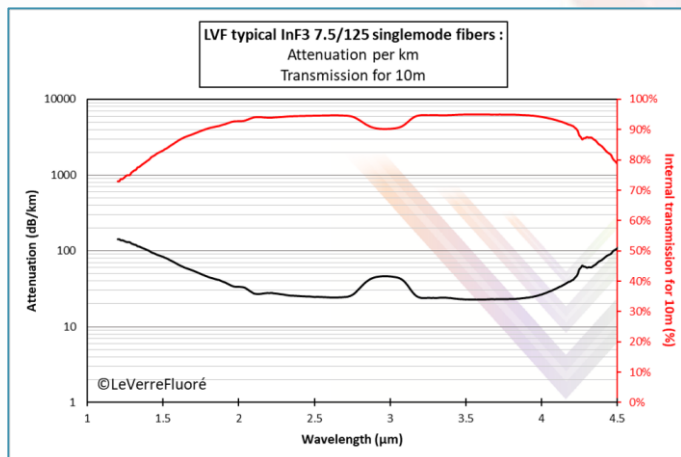
### Specifications

Typical background loss	< 35 dB/km
Fresnel loss (backwards reflection)	4% per face (air)
Coating material	UV curable acrylate
Operating temperature	- 180 to 150 °C

Standard fiber	Core/clad diameter	Numerical aperture	Cutoff wavelength	Operating wavelength	Short term bend radius	Long term bend radius
IFG SM [2.95] 7.5/125	7.5/125 $\mu\text{m}$	0.30	2.95 $\mu\text{m}$	0.3-5.5 $\mu\text{m}$	$\geq 15$ mm	$\geq 45$ mm
IFG SM [3.3] 8.5/125	8.5/125 $\mu\text{m}$	0.30	3.3 $\mu\text{m}$	0.3-5.5 $\mu\text{m}$	$\geq 15$ mm	$\geq 45$ mm
IFG SM [3.7] 9.5/125	9.5/125 $\mu\text{m}$	0.30	3.7 $\mu\text{m}$	0.3-5.5 $\mu\text{m}$	$\geq 15$ mm	$\geq 45$ mm

All our fibers are available as *fiber patch cables* or *fiber bundles*  
LVF proposes *mid-IR screened fibers* and *endcaps solutions*

## Typical attenuation



## CUSTOMIZE your own fiber



- Custom cut-off
- Custom NA (0.15 to 0.30)
- Custom core size (from 2  $\mu\text{m}$  diameter)

