



## Discover our ZFG octogonal multimode fibers:

For specific needs such as **mode scrambling**, we design and draw multimode fibers with **special core shapes** such as hexagonal, octogonal, etc...

These fibers are unique and exclusive, such as our standard ZFG octogonal core multimode fiber. This mode scrambling fiber was developed for the SPIRou astronomical project and is now integrated in a near infrared spectropolarimeter and a high precision velocimeter.

### Specifications

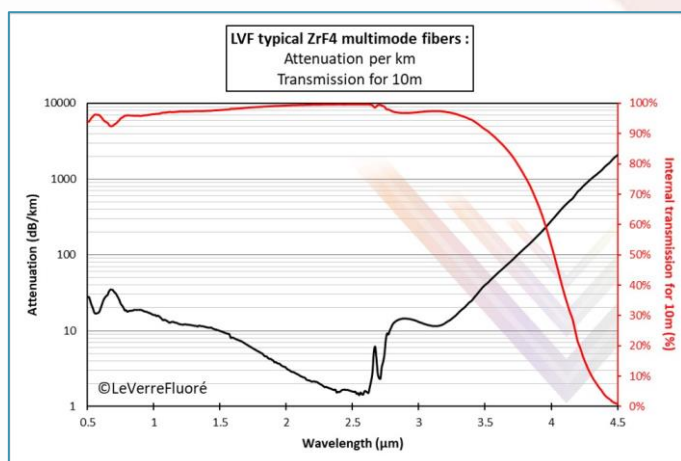


Operating wavelength	0.3 – 4.5 $\mu\text{m}$
$\varnothing$ core	90 or 105 $\mu\text{m}$
$\varnothing$ cladding	150 $\mu\text{m}$
NA	0.15 or 0.20
Typical optical loss @ 2.5 $\mu\text{m}$	< 10 dB/km
Fresnel loss (backwards reflection)	4% per face (air)
Coating material	UV curable acrylate
Operating temperature	- 180 to 150 °C

### Standard prices

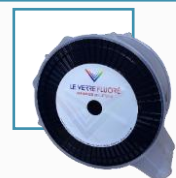
Reference	Price/m
ZFG OCT (0.20) 105/150	490 €
ZFG OCT (0.15) 90/150	530 €

### Typical attenuation



### CUSTOMIZE

your protective tubing and connectors



#### Protective tubing

- Hytel (diameter : 0.9 mm), Kevlar (diameter: 4 mm), stainless steel jacket (diameter: 7 mm), peek jacket (diameter : 0.9 mm)

#### Connectors

- SMA 905, FC/PC, FC/APC, Diamond, custom

