

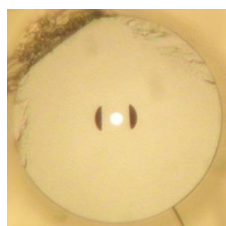


Discover our **ZFG polarization maintaining fibers**:

In order to maintain linear polarization during propagation through the fiber, we have developed special PM fibers. The **linear polarization** during **propagation** is obtained thanks to two air-gaps.

These fibers are unique and exclusive, such as our standard ZFG PM single mode fiber. This fiber was developed for the GRAVITY astronomical project and is now integrated system including a delay line and a polarization rotator.

Specifications

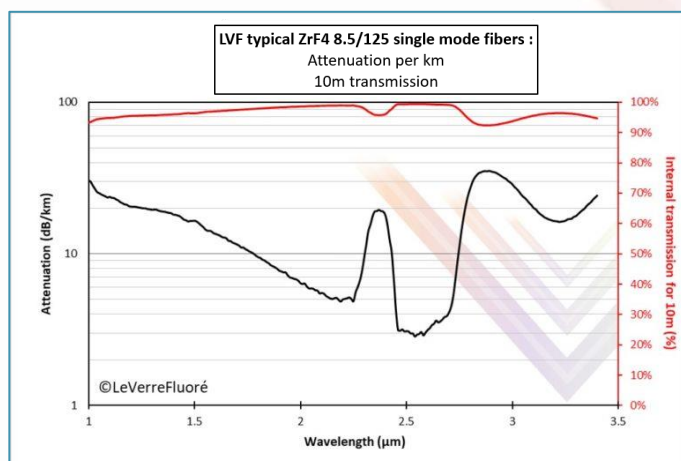


Operating wavelength	0.3 – 3.90 μm
\varnothing core	6,5 μm
\varnothing cladding	125 μm
NA	0.23
Cut-off wavelength	1.95 μm
Beat length @2.8 μm	\approx 20 mm
Typical optical loss @ 2.5 μm	< 20 dB/km
Fresnel loss (backwards reflection)	4% per face (air)
Coating material	UV curable acrylate
Operating temperature	- 180 to 150 °C

Standard prices

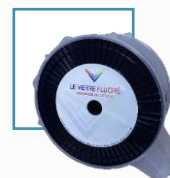
Reference	Price/m
ZFG PM [1.95] 6.5/125	from 280 €

Typical attenuation



CUSTOMIZE

your protective tubing and connectors



Protective tubing

- Hytel (diameter : 0.9mm), 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

