



## Discover our range of **fiber bundles and probes**:

**Any passive or active fiber manufactured by LfV can be wired.**

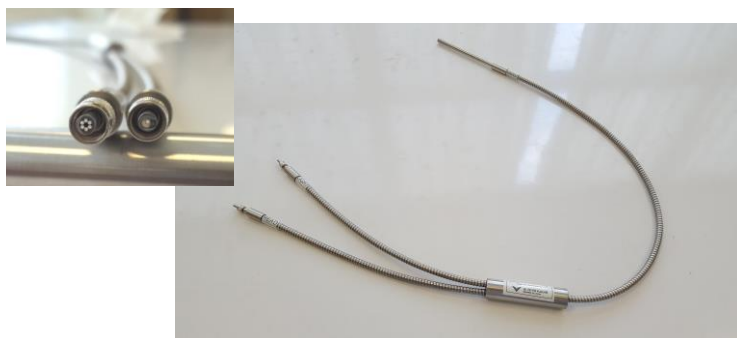


### Fiber bundles and backscatter probes main features

<b>Fiber content</b>	Up to hundreds
<b>Fiber arrangement</b>	Linear, round, square...., coherent or not
<b>Connector</b>	SMA 905, FC/PC, FC/APC, Diamond, custom
<b>Protective standard tubing</b>	Hytrek (diameter: 0.9 mm), Kevlar (diameter: 4 mm), Stainless steel jacket (diameter: 7 mm), Pek jacket (diameter: 0.9 mm)

### Applications

- Splitting light source into several channels
- Combining light from several sources
- Light illumination & Detection channels (backscatter probes)
- Qualified for **harsh environment**
- Qualified for **industrial use**



*LfV proposes also IR screened fibers and endcaps solutions for mid-IR high power handling.*

### CUSTOMIZE your own fiber



#### Multimode fiber

- Custom NA: from 0.12 to 0.30 (ZFG)  
from 0.18 to 0.32 (IFG)
- Custom core/cladding size: up to 1000  $\mu\text{m}$  core diameter

#### Single mode fiber

- Custom cut-off
- Custom NA: from 0.06 to 0.35 (ZFG)  
from 0.18 to 0.32 (IFG)
- Custom core size: from 1  $\mu\text{m}$  diameter

