

Fluorine-doped Capillary Tube

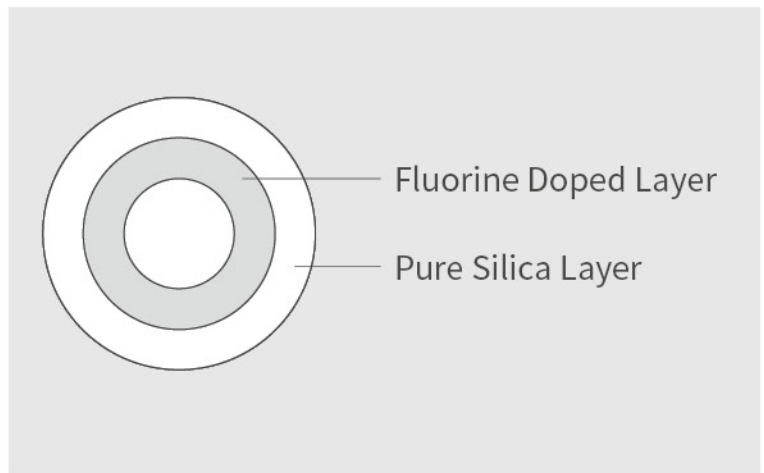
YOFc can provide multi-layer fluorine-doped capillary tube with low internal refractive index and high external refractive index based on PCVD process and equipment, which is suitable for high-power beam combiner and photon lantern, and meets various application requirements.

Characteristics

- Good optical performance
- Good dimensional uniformity
- Good temperature resistance

Applications

- High-power beam combiner
- Photonic lantern



Specifications

Product Type	DFT0.75/0.4-150-0.22	DFT1.5/0.8-150-0.22
*Length (mm)	150 ± 0.1	
Typical Value of NA	0.22	
Material	F-doped SiO ₂	
Outside Diameter (mm)	0.75 ± 0.05	1.5 ± 0.05
Internal Diameter (mm)	0.4 ± 0.05	0.8 ± 0.05
Ratio of Outer Diameter to Inner Diameter of Fluorine-doped Layer	>1.1	

*The length can be customized within 150 mm