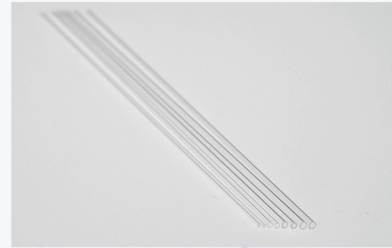


PRODUCT INTRODUCTION

Fluorine-doped Capillary Tube



Fluorine-doped capillary tube is fluorine-doped by using the plasma chemical vapor deposition (PCVD) technique to achieve a multi-layer structure with low internal refractive index and high external refractive index. It is processed by multiple processes and suitable for medium and high power fibre optic combiners and photonic lanterns.

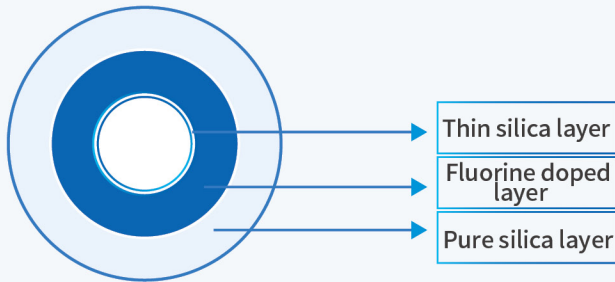
+ Features

- Good dimensional uniformity
- Good optical performance
- Good temperature resistance
- Precise control and flexible section

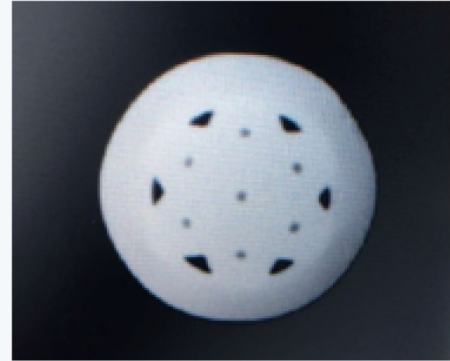
+ Applications

- Medium and high power fibre optic combiner
- Photonic lantern

+ Structure



Sectional structure diagram



Application example

+ Parameters

Specifications

Product type	DFT0.75/0.4-150-0.22	DFT1.5/0.8-150-0.22	DFT1.1/0.85-150-0.22	DFT1.2/0.96-150-0.22
Length (mm)	150±0.3			
Typical value of NA	0.22			
Material	F-doped SiO ₂			
Outer diameter (mm)	0.75±0.05	1.5±0.05	1.1±0.05	1.2±0.05
Inside diameter (mm)	0.4±0.05	0.8±0.05	0.85±0.05	0.96±0.05
Ratio of outer diameter to inside diameter of fluorine-doped layer	>1.1			

*The length is customizable within a certain range