

> Single-mode Photonic Crystal Fibre

— Product

Single-mode photonic crystal fibre, which in a sense is an infinite single-mode fibre, can have low transmission loss and exceptionally low nonlinear coefficient over a wide wavelength range with a cut-off wavelength of less than $1\mu\text{m}$.

This fibre can be connected to standard single-mode fibre or endless single-mode fibre, and can also be connected using sealed ends and FC/PC connectors.

— Applications

- Broadband transmission
- Single-mode high-power laser output
- Optical fibre sensing

— Features

- Endless single mode
- Low attenuation in broadband
- Bend insensitive
- Pure silica material

Yangtze Optical Fibre and Cable Joint Stock Limited Company

Stock Code: 601869.SH 06869.HK ADD: No. 9 Optics Valley Avenue, Wuhan, Hubei, China (P.C.: 430073)

Tel: 400-006-6869 Email: 400@yofc.com en.yofc.com

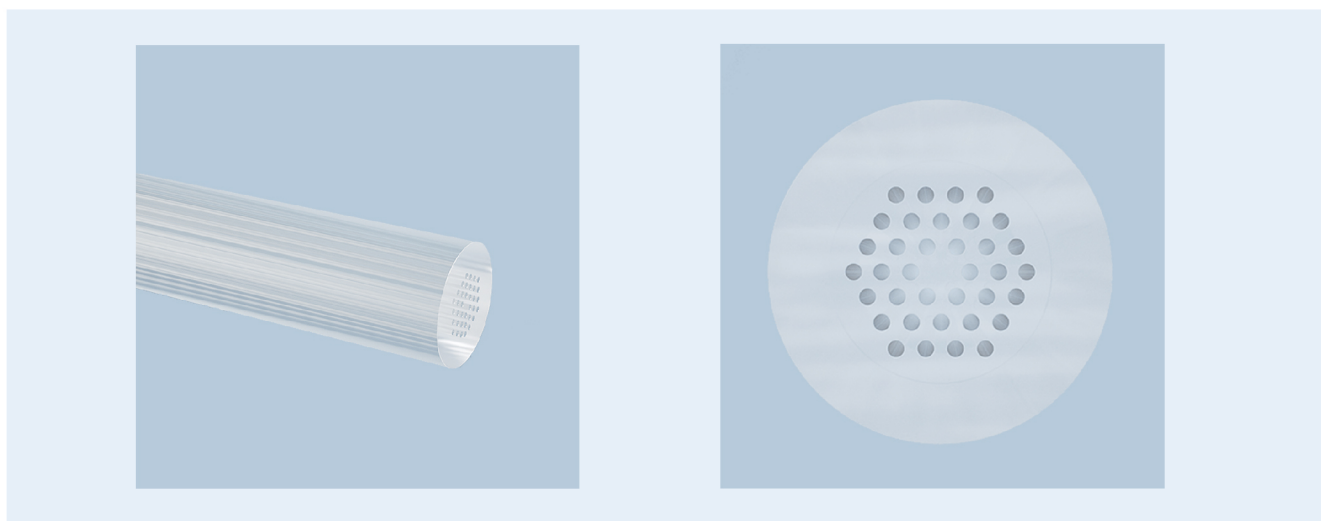
©202208 YOFC All Rights Reserved

— Specifications

Optical Properties	
Cut-off Wavelength(nm)	< 1000
Attenuation@ 1060 nm(dB/km)	< 3.0
Attenuation@ 1310 nm(dB/km)	< 3.0
Attenuation@ 1550 nm(dB/km)	< 2.5

Physical Properties	
Material	Pure Silica
Core Diameter(μm)	7.0 ± 0.5
Cladding Diameter(μm)	125 ± 2
Coating Diameter(μm)	245 ± 5
Coating Material	Acrylic Resin

— Cross Section



— Customization

Single-mode photonic crystal fibre can be customized in terms of core diameter, air-hole duty ratio, and air-hole layers.

Yangtze Optical Fibre and Cable Joint Stock Limited Company

Stock Code: 601869.SH 06869.HK ADD: No. 9 Optics Valley Avenue, Wuhan, Hubei, China (P.C.: 430073)

Tel: 400-006-6869 Email: 400@yofc.com en.yofc.com

©202208 YOFC All Rights Reserved