

## — Product

Supercontinuum generation (SCG) in photonic crystal fibre (PCF) has been a focus of optics and photonics, and high-power superconducting light sources are favored for their high spectral power density. Multi-core PCF can not only further increase the effective mode field area, but also alleviate the thermal stress problem of discrete distribution among cores, further increasing the saturation threshold of operating power gain. In the application of high-power fibre laser, it can effectively reduce the impact of nonlinear effects.

## — Applications

- High-power supercontinuum light source
- Highly nonlinear optics

## — Features

- Large mode field area
- High nonlinearity
- Pure silica material

Yangtze Optical Fibre and Cable Joint Stock Limited Company

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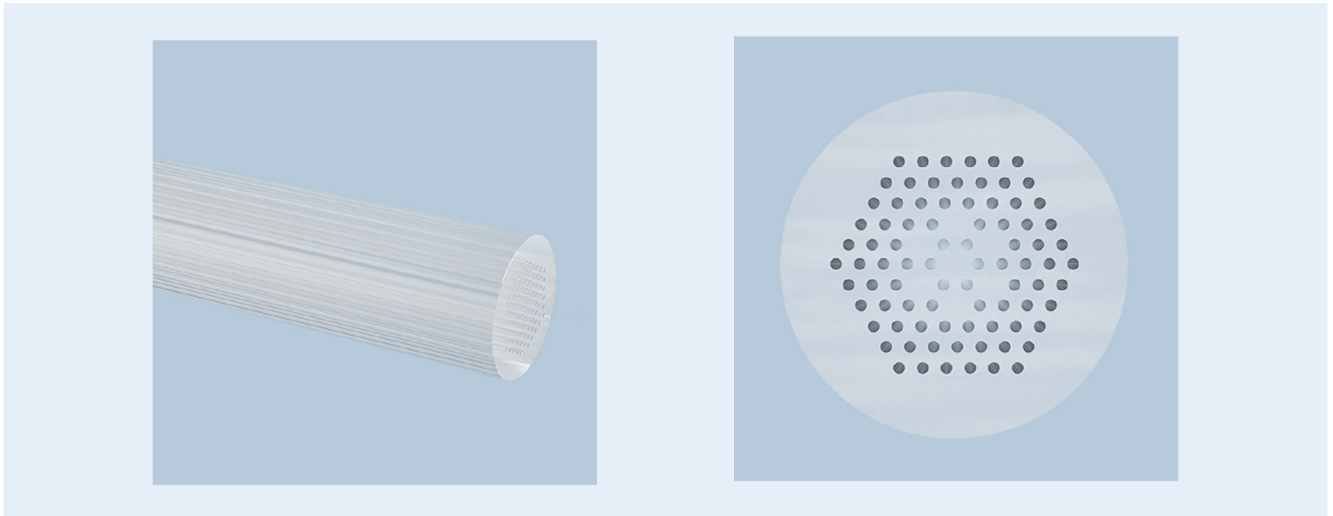
## — Specifications

Optical Properties	
Cut-off Wavelength (nm)	< 1000
Attenuation @ 1064 nm(dB/km)	< 6.0
Attenuation @ 1550 nm(dB/km)	< 5.0

Physical Properties	
Material	Pure Silica
Core Diameter (7 Cores)( $\mu\text{m}$ )	$4.2 \pm 1$
Core-to-core Distance( $\mu\text{m}$ )	$7.1 \pm 1$
Cladding Diameter( $\mu\text{m}$ )	$125 \pm 2$
Coating Diameter( $\mu\text{m}$ )	$250 \pm 10$
Coating Material	Acrylic Resin

## — Cross Section



## — Customization

Multi-core PCF can be customized in terms of the number of its cores and air-hole layers as well as core-to-core distance.

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