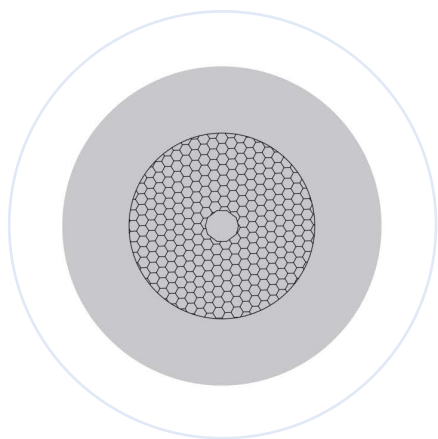


LadonX™ Optic Fiber



Hollow Core Fiber Features and Benefits

Hollow optic fiber also known as photonic crystal fiber or microstructure fiber. Normally consists of a regular pattern of air holes or doped materials inside pure silica background along the transverse direction. According to the mechanism of light guided in fibre, PCF is classified as TIR and PBG. Stacking and drawing technique are used for the preparation of our PCFs to realize special characteristics such as endless single mode, extremely large mode area, wave-guide in hollow core, high nonlinear effects and birefringence etc.



Features

- Low attenuation
- Controllable dispersion
- Low nonlinear effect
- Good radiation resistance
- High damage threshold
- Long delivery distance



Application

- Fiber optic gyroscope
- Laser transmission
- Optical fiber sensing
- Nonlinear optics
- Data communication
- Super-continuum sources
- High power transmission



Typical Products

- Endless single-mode HCF
- Polarization maintaining HCF
- High nonlinearity HCF
- All solid PBG
- Dual core HCF

Technical data-TIR(Total Internal Reflection)

CLASSES	FIBER TYPE	TERMINATION	APPLICATION
Endless Singlemode	PC SM	Pure silica core; attenuation can be as low as 1dB/km	Wide single mode transmission energy delivery

LadonX™ Optic Fiber

Technical data-TIR(Total Internal Reflection)

CLASSES	FIBER TYPE	TERMINATION	APPLICATION
High nonlinearity	PC HNL	700-900nm ZDW	Supercontinuum generation by 0.8µm fs pulse laser Nonlinearity optics Nonlinearity fibre laser
Multi-core	PC DC	Dual core	Sensor & Directional coupling components Supercontinuum generation Nonlinearity optics
	PC 7C	Seven-core	
Polarization maintaining	PC PM	Excellent radiation resistance, temperature insensitive, low macro-bending induced attenuation	Gyro; interferometer
Passive double cladding	PC PDC	Pure silicon core, large mode field	Single mode pulsed laser transmission; spectroscopy research

Technical data-PBG(Photonic bandgap)

CLASSES	FIBER TYPE	TERMINATION	APPLICATION
All solid PBG	PC ASPBG	Tailored bandgap spectrum	Filtering Special rare earth doped fiber Special dispersion and operating wavelength fiber