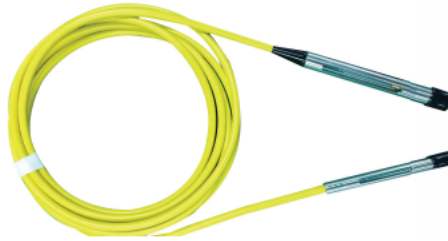
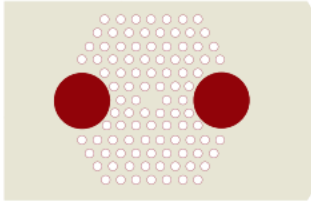




Photonic Crystal Fiber



The product description

Our polarization-maintaining single-mode fibers, which are optimized to exhibit low loss while keeping an almost constant mode field diameter.

The fiber is endlessly single-mode (i.e. it has no higher order mode cut-off) and delivers excellent mode quality at all wavelengths.

Key Features:

- Low-loss
- Polarization-maintaining
- Single mode
- Radiation hard pure silica fiber
- Wavelength independent mode-field diameter

Applications:

- Mode filtering
- Short pulse delivery
- Multi-wavelength transmission
- Single-mode polarization-maintaining pigtailed
- Single-mode polarization-maintaining short wavelength delivery

Technical indicators

Model	Preci-Fiber-532	Preci-Fiber-1064	Preci-Fiber-XX
Central Wavelength λ_c , nm	532	1064	532-1550 Specify
Wavelength range, nm	$\lambda_c \pm 50$	$\lambda_c \pm 50$	$\lambda_c \pm 50$
Maximum intensity loss(Free space), dB	0.6	0.6	0.6
Polarization Extinction Ratio, dB	18	18	18
Minimum return loss, dB	50	50	50
Beam diameter @ $M^2 = 1.1 \pm 0.1$, mm	1.5 ± 0.25	2.25 ± 0.25	
Divergence angle (far field), mrad	<1.2	<1.5	<1.5
Beam roundness, %	>92	>92	>92
M2 degeneration	<10	<10	<10



Beam direction deviation, mrad	<5	<5	<5
Beam offset, mm	0.5	0.5	0.5
Fibertype	NKT Photonics LMA-PM-15 fiber	NKT Photonics LMA-PM-15 fiber	
Length, m	3	3	3
Maximum average optical power, W	30	30	30
Maximum peak power(ns pulse),kW	10	10	10
Operating temperature, oC	0 -+50	0 -+50	0 -+50
Storage temperature, oC	-70	-70	-70