Yb FIBERS FOR ULTRAFAST LASERS

INO offers a wide range of large mode area (LMA) ytterbium-doped optical fibers.
The exceptional beam quality of our fibers is well adapted for every amplification stage.

	Yb401-PM	Yb-10/125-08	Yb-15/125-2.7-PM	Yb-35/250-0.9-PM	Yb-35/250-2.5-PM	Yb-35/250-2.0-PM
Optical Cladding	Single	Double	Double	Multiple	Multiple	Multiple
Core Diameter	5 µm	10 µm	15 µm	35 µm	35 µm	35 µm
Cladding Diameter	125 µm	125 µm	125 µm	250 µm	250 µm	250 µm
Core NA	0.14	0.08	0.08	0.07	0.07	0.05
Absorption at 915 nm	140 dB/m	1.6 dB/m	2.7 dB/m	0.9 dB/m	2.5 dB/m	2.0 dB/m
Coiling Diameter			≥ 6 cm	≥ 12 cm	≥ 14 cm	≥ 25 cm
	• Well adapted for low power lasers and amplifiers • Low photodarkening core chemistry		• High absorption • Near-diffraction limited output • Low photo-darkening core chemistry	• Design for output M^2 lower than 1.15 • Low photodarkening core chemistry • Confined core for selective gain amplification • Increased differential bending losses • Depressed cladding design for enhanced differential bending losses		

Yb-35/250-56/400-07-2.5-T0.8-PM

TAPERED FIBER

Multiple Optical Cladding

Input: 35/250 µm

Output : 56/400 µm

Core NA: 0.07

Absorption at 915 nm: 2.5 dB/m

Coiling Diameter: 14 → 40 cm

- Designed for output M^2 lower than 1.2
- Large core diameter
- Low photodarkening
- High birefringence
- Confined core for selective gain amplification
- Depressed cladding design for enhanced differential bending losses

Custom optical fiber also available. Contact us for more details.

Contact

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