## 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.

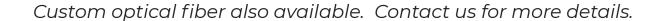
	Yb401-PM	Yb-10/125-08	Yb-15/125-2.7-PM	Yb-35/250-0.9-PM	Yb-35/250-2.5-PM	Yb-35/250-2.0-PM
Optical Cladding	Single	Double	Double	Multiple	Multiple	Multiple
Core Diameter	5 µm	10 µm	15 µm	35 µm	35 µm	35 µm
<b>Cladding Diameter</b>	125 µm	125 µm	125 µm	250 µm	250 µm	250 µm
Core NA	0.14	0.08	0.08	0.07	0.07	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
	<ul> <li>Well adapted for low power lasers and amplifiers</li> <li>Low photodarkening core chemistry</li> </ul>		<ul> <li>High absorption</li> <li>Near-diffraction         <ul> <li>limited output</li> </ul> </li> <li>Low photo-             darkening core             chemistry</li> </ul>	<ul> <li>Design for output M² lower than 1.15</li> <li>Low photodarkening core chemistry</li> <li>Confined core for selective gain amplification</li> <li>Increased differential bending losses</li> <li>Depressed cladding design for enhanced differential bending losses</li> </ul>		

## 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<sup>2</sup> 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





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