

# 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 to every ultrafast amplification stage.

	Yb401-PM	Yb-15/125-08-2.7-PM	Yb-35/250-07-0.9-PM	Yb-35/250-07-2.5-PM	Yb-35/250-05-2.0-PM	<b>Yb-35/250-56/400-07-2.5-T0.8-PM</b> <b>TAPERED FIBER</b>
<b>Optical Cladding</b>	Single	Double	Multiple	Multiple	Multiple	Multiple Optical Cladding
<b>Core Diameter</b>	5 μm	15 μm	35 μm	35 μm	35 μm	Input: 35/250 μm
<b>Cladding Diameter</b>	125 μm	125 μm	250 μm	250 μm	250 μm	Output : 56/400 μm
<b>Core NA</b>	0.14	0.08	0.07	0.07	0.05	Core NA: 0.07
<b>Absorption at 915 nm</b>	140 dB/m	2.7 dB/m	0.9 dB/m	2.5 dB/m	2.0 dB/m	Absorption at 915 nm: 2.5 dB/m
<b>Coiling Diameter</b>		≥ 6 cm	≥ 12 cm	≥ 14 cm	≥ 25 cm	Coiling Diameter: 14 → 40 cm
	<ul style="list-style-type: none"> <li>Well adapted for low power lasers and amplifiers</li> <li>Low photodarkening core chemistry</li> </ul>	<ul style="list-style-type: none"> <li>High absorption</li> <li>Near-diffraction-limited output</li> <li>Low photodarkening core chemistry</li> </ul>	<ul style="list-style-type: none"> <li>Design for output M<sup>2</sup> 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>			<ul style="list-style-type: none"> <li>Designed for output M<sup>2</sup> lower than 1.2</li> <li>Large core diameter</li> <li>Low photodarkening</li> <li>High birefringence</li> <li>Confined core for selective gain amplification</li> <li>Depressed cladding design for enhanced differential bending losses</li> </ul>

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