



Yb FIBERS FOR ULTRAFAST LASERS

WHEN BEAM QUALITY MATTERS

INO

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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
Optical Cladding	Single	Double	Multiple	Multiple	Multiple
Core Diameter	5 μm	15 μm	35 μm	35 μm	35 μm
Cladding Diameter	125 μm	125 μm	250 μm	250 μm	250 μm
Core NA	0.14	0.08	0.07	0.07	0.05
Absorption at 915 nm	140 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 style="list-style-type: none"> Well adapted for low power lasers and amplifiers Low photodarkening core chemistry 	<ul style="list-style-type: none"> High absorption Near-diffraction-limited output Low photodarkening core chemistry 	<ul style="list-style-type: none"> 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 \rightarrow 40 cm
<ul style="list-style-type: none"> 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.