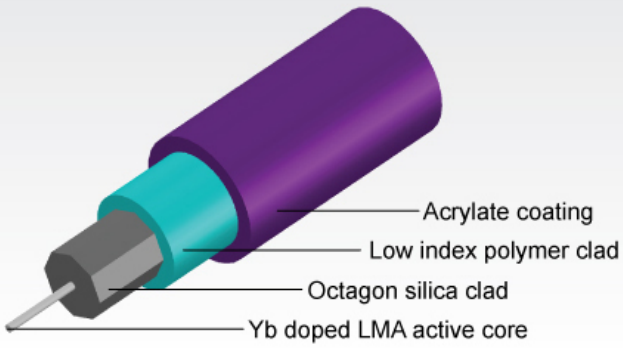
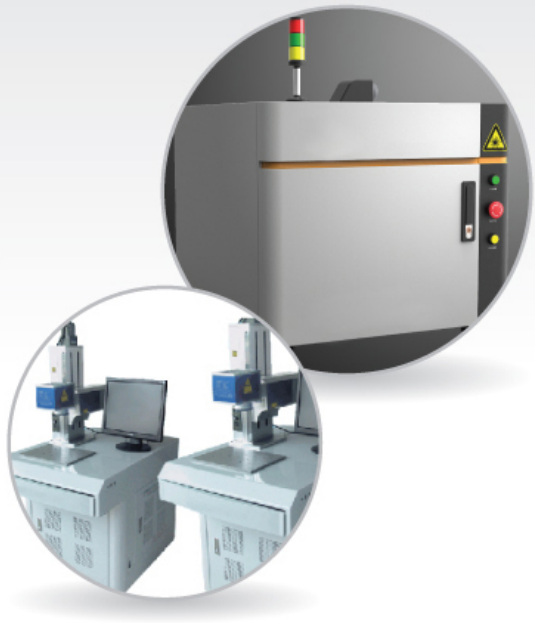
LMA Double Clad Fiber Laser Fiber

LMA Ytterbium-Doped Double Clad Fiber





■ **Typical Applications:**

Pause and continue fiber laser and amplifier
Medium and high power laser and amplifier
Material processing, research and medical, laser range finder

■ **Features:**

High power
Low NA
Large MFD
High efficiency
High mode quality

Fiber Type	PTYU 10/125/245FA07	PTYU 20/400/550FA06	PTYU 20/125/245FA07	PTYU 30/250/400FA06
Optical Parameters				
Working Wavelength (nm)	1015–1115	1015–1115	1015–1115	1015–1115
Core NA	0.075 ± 0.005	0.065 ± 0.005	0.075 ± 0.005	0.060 ± 0.010
Clad NA	≥0.46	≥0.46	≥0.46	≥0.46
Clad Absorption (915nm)	1.35 ± 0.15	0.40 ± 0.05	3.0 ± 0.30	2.20 ± 0.20
Core Attenuation (dB/km@1200nm)	≤20.0	≤15.0	≤20.0	≤30.0
Clad Attenuation (dB/km@1095nm)	≤15.0	≤15.0	≤15.0	≤15.0
Geometrics and Mechanical Parameters				
Core Diameter (μm)	10.5 ± 1.0	20.0 ± 1.5	20.0 ± 2.0	30.0 ± 2.5
Clad Diameter (μm)	125.0 ± 2.0	400.0 ± 10.0	125.0 ± 2.0	250.0 ± 5.0
Coating Diameter (μm)	245.0 ± 10.0	550.0 ± 20.0	245.0 ± 10.0	400.0 ± 15.0
Core/Clad Offset (μm)	≤1.0	≤2.0	≤1.0	≤2.0
Proof Test Level (kpsi)	100	100	100	100

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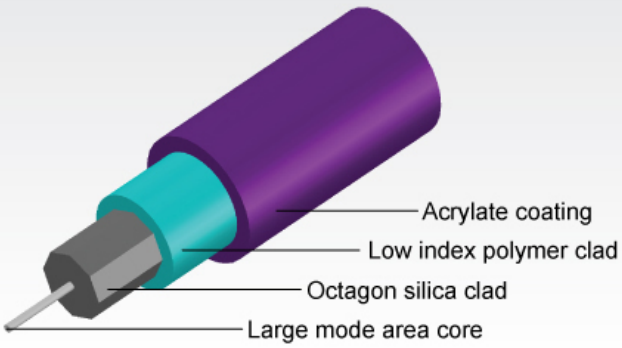
Passive LMA Double Clad Fiber



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