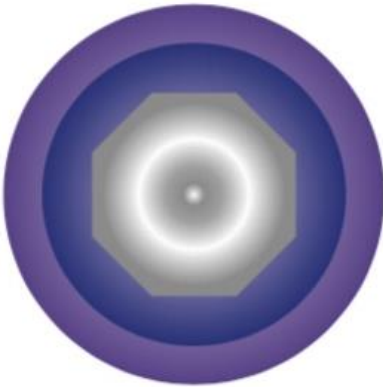


Yb-Doped Double Clad Active Fiber



Double clad active fiber doped with Yb is suitable for fiber lasers and fiber amplifiers working in about 1000-1100nm band. Available in single-mode and large-mode, the output power levels from milliwatts to kilowatts. The cladding is 130 or 400um which complies with industry standards for active optical fiber.

Specifications:

Optical Properties		
Operating Wavelength	1060-1115	1060-1115
Core NA	0.075	0.065 ±0.005
Inner cladding NA (5%)	≥0.46	≥0.46
Cladding Attenuation @1095nm (dB/km)	≤15.0	≤15.0
Cladding Absorption @915nm (dB/m)	1.30 ±0.2 3.90dB/m near 975nm	0.40±0.05
Geometric properties		
Cladding Diameter (um)	130.0±3.0	400.0±10.0
Core Diameter (um)	11.0±1.0	20.0±1.5
Core Diameter (um)	245.0±15.0	550.0±15.0
Core/Clad Offset (um)	≤1.0	≤2.0
Mechanical Properties		
Core/Clad Offset (um)	≥100	≥100
Coating Material	Low refractive index polymer	Low refractive index polymer

Features:

- Cladding Pump Design
- Single mode or LMA working
- High Pump Absorption and Low Photodarkening
- High Slope Efficiency

NEWLINK

Cabling Systems

Active Fiber

Applications:

- Pulse Amplifier with high average power
- Medium and high power pulses, and continuous wave laser
- Material handling
- Laser radar