



Features

- **Compatibility:**
realNA — most accurate fiber core NA for minimal splice loss
Glass inner cladding diameter is designed to “fit-in” octagonal inner cladding of matched Yb-doped triple cladding fiber
Fiber Bragg Gratings can be written into all large mode area passive fibers
- **Reliability:**
Triple cladding fiber structure for highest reliability
Reduced pump power at coating interface for improved thermal resistance
Double cladding fiber coating proven to operate up to 150°C and in extreme humidity

Applications

- Fiber-based components for multi-kW fiber lasers (e.g. pump combiners; FBGs)
- All-fiber subassemblies

Typical Fiber Specifications

LIEKKI® Fiber		Passive-34/460/530DC
Optical	Units	
Core Numerical Aperture		0.100 ± 0.010
Inner Cladding Numerical Aperture, ≥		0.200
Cladding Numerical Aperture, ≥		0.48
Core Background Loss at 1200 nm, ≤ dB/km		5
Geometrical and mechanical		
Core Diameter	µm	34.0 ± 2.5
Core Concentricity Error, ≤	µm	3.0
Inner Cladding Diameter	µm	460 ± 15
Cladding Diameter	µm	530 ± 10
Inner Cladding Geometry		Round
Cladding Geometry		Round
Coating Diameter		650 ± 30
Coating Material		Dual coated low index acrylate
Proof Test, ≥	kpsi	85

Matched Yb-doped LIEKKI® Fiber

Yb800-34/460/530DC

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