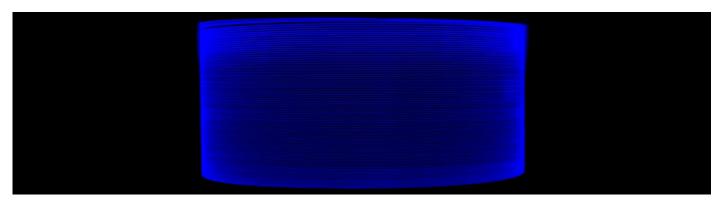
LIEKKI®

Large Mode Area Passive-34/460/530DC Fiber



Applications 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

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

- 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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