



Features

- **Compatibility:**
realNA — most accurate fiber core NA for minimal splice loss
Glass cladding diameter is designed to “fit-in” octagonal active fibers
Fiber Bragg Gratings can be written into all large mode area passive fibers
- **Reliability:**
Single cladding fibers feature a telecom grade dual layer high-index acrylate coating
Double cladding fiber coating proven to operate up to 150°C and in extreme humidity

Applications

- Fiber-based components for fiber lasers (e.g. pump combiners; FBGs)
- Pigtails for fiber lasers and amplifiers
- All-fiber subassemblies

Typical Fiber Specifications

LIEKKI® Fiber	Passive-12/250	Passive-12/250DC
Optical	Units	
Core Numerical Aperture	0.080 ± 0.005	
Cladding Numerical Aperture, ≥	-	0.48
Core Background Loss at 1200 nm, ≤ dB/km	5.0	
Geometrical and mechanical		
Core Diameter	μm	12.5 ± 1
Core Concentricity Error, ≤	μm	1.0
Cladding Diameter	μm	250 ± 5
Cladding Geometry	Round	
Coating Diameter	350 ± 15	
Coating Material	Dual coated high index acrylate	Dual coated low index acrylate
Proof Test, ≥	kpsi	100

Matched Yb-doped LIEKKI® Fiber

Yb1200-12/250DC

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