



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-20/400 (Yb800, HP)	Passive-20/400DC (Yb800, HP)
Optical	Units	
Mode Field Diameter at 1060nm ⁽¹⁾	17.0 ± 1.0	17.0 ± 1.0
Cladding Numerical Aperture, ≥	-	0.48
Core Background Loss at 1200 nm, ≤ dB/km	5.0	
Geometrical and mechanical		
Core Diameter (nominal)	μm	[20.0]
Core Concentricity Error, ≤	μm	1.2
Cladding Diameter	μm	400.0 ± 5
Cladding Geometry	Round	
Coating Diameter	500 ± 20	500 ± 20
Coating Material	Dual coated high index acrylate	Dual coated low index acrylate
Proof Test, ≥	kpsi	100

⁽¹⁾ Near-field Mode Field Diameter

Matched Yb-doped LIEKKI® Fiber

Yb800-20/400DC (HP)

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