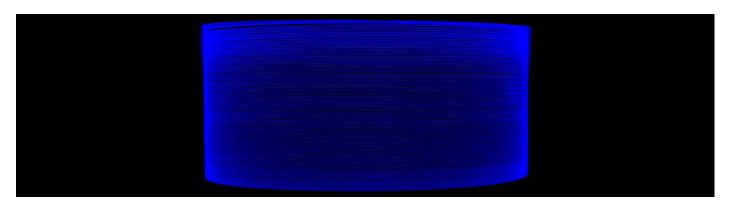


## Passive-20/400 Fibers

Large Mode Area Passive Fiber



**Applications 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:

extreme humidity

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

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

## **Typical Fiber Specifications**

LIEKKI <sup>®</sup> Fiber		Passive-20/400(-PM)		Passive-20/400DC(HP, -PM)	
Optical	Units				
Core Numerical Aperture		0.07 ± 0.005	5 0.065 ± 0.005		
Cladding Numerical Aperture, ≥		-		0.48	
Core Background Loss at 1200 n	5.0				
Geometrical and mechanical					
Birefringence, ≥	1E-04	-	1.6	-	1.6
Core Diameter	μm	20.0 ± 1.5			
Core Concentricity Error, ≤	μm	1.2			
Cladding Diameter	μm	400.0 ± 5			
Cladding Geometry		Round	Round, Panda	Round	Round, Panda
Coating Diameter		520 ± 15			
Coating Material		Dual coated high index acrylate		Dual coated low index acrylate	
Proof Test, ≥	kpsi	100			

# Matched Yb-doped LIEKKI® Fiber

Yb1200-20/400DC (HP) Yb1200-20/400DC-PM

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