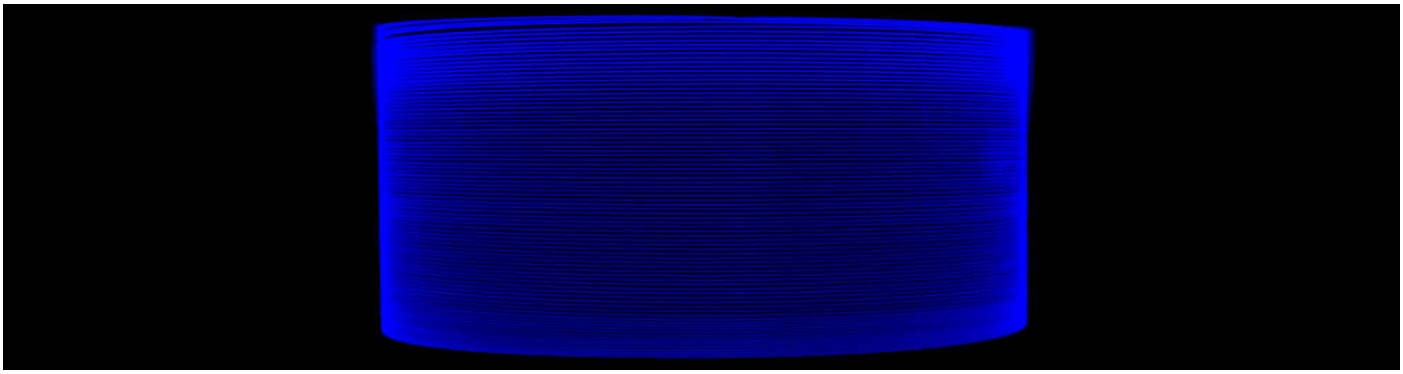
LIEKKI®

Passive-20/400 Fibers

Large Mode Area Passive Fiber



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(-PM)		Passive-20/400DC(HP, -PM)	
Optical	**Units**				
Core Numerical Aperture		0.07 ± 0.005	0.065 ± 0.005		
Cladding Numerical Aperture, ≥		-		0.48	
Core Background Loss at 1200 nm, ≤	dB/km	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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