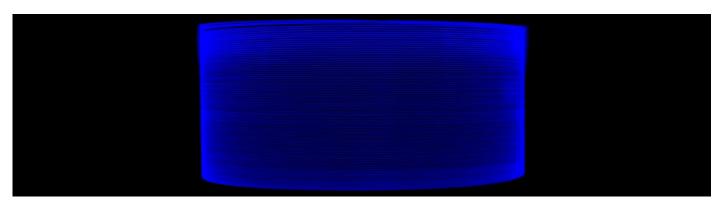
# **LIEKKI®**

## Large Mode Area Passive-12/125 Fibers



#### **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:

- 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

- 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-12/125(-PM)		Passive-12/125DC(-PM)		
Optical	Units					
Core Numerical Aperture		0.080 ± 0.005				
Cladding Numerical Aperture, ≥		-		0.48		
Core Background Loss at 1200 n	m, ≤ dB/km		5.0			
Geometrical and mechanical						
Birefringence, ≥	1E-04	-	1.6	-	1.6	
Core Diameter	μm	12.5 ± 1				
Core Concentricity Error, ≤	μm	1.0				
Cladding Diameter	μm	125.0 ± 2	125.0 ± 1	125.0 ± 2	125.0 ± 1	
Cladding Geometry		Round	Round, Panda	Round	Round, Panda	
Coating Diameter		245 ± 15				
Coating Material		Dual coated high index acrylate Dual coated low index acrylate				
Proof Test, ≥	kpsi	100				

## Matched Yb-doped LIEKKI® Fiber

Yb1200-12/125DC Yb1200-12/125DC-PM

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