



### 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-6/125	Passive-6/125DC	Passive-6/125DC-PM
<b>Optical</b>	<b>Units</b>		
Mode Field Diameter at 1060nm <sup>(1)</sup>	µm	7.0 ± 0.5	
Core Numerical Aperture (nominal)		0.12	
Cladding Numerical Aperture, ≥		-	0.48
Core Background Loss at 1200 nm, ≤ dB/km		5.0	
<b>Geometrical and mechanical</b>			
Cut-off Wavelength <sup>(2)</sup>	nm	880 ± 80	
Birefringence, ≥	1E-04	-	2.0
Core Concentricity Error, ≤	µm	1.0	
Cladding Diameter	µm	125 ± 2	
Cladding Geometry		Round	Round, Panda
Coating Diameter		245 ± 15	
Coating Material		Dual coated high index acrylate	Dual coated low index acrylate
Proof Test, ≥	kpsi	100	

<sup>(1)</sup> Near-field Mode Field Diameter

<sup>(2)</sup> Calculated value

### Matched Yb-doped LIEKKI® Fiber

Yb300-6/125	Yb300-6/125-PM	Yb1200-6/125DC	Yb1200-6/125DC-PM
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