



## 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-30/250-PM, 0.060NA	Passive-30/250DC-PM, 0.060NA
<b>Optical</b>	<b>Units</b>	
Core Numerical Aperture	0.060 ± 0.005	
Cladding Numerical Aperture, ≥	-	0.48
Core Background Loss at 1200 nm, ≤ dB/km	10.0	
<b>Geometrical and mechanical</b>		
Birefringence, ≥	1E-04	1.6
Core Diameter	µm	30.0 ± 2
Core Concentricity Error, ≤	µm	1.2
Cladding Diameter	µm	250 ± 5
Cladding Geometry	Round, Panda	
Coating Diameter	350 ± 15	
Coating Material	Dual coated high index acrylate	Dual coated low index acrylate
Proof Test, ≥	kpsi	100

## Matched Yb-doped LIEKKI® Fiber

Yb1200-30/250DC

Yb1200-30/250DC-PM

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