



## 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-20/125(-PM)		Passive-20/125DC(-PM)	
<b>Optical</b>	<b>Units</b>			
Core Numerical Aperture	0.080 ± 0.005			
Cladding Numerical Aperture, ≥	-		0.48	
Core Background Loss at 1200 nm, ≤ dB/km	15			
<b>Geometrical and mechanical</b>				
Birefringence, ≥	1E-04	-		0.8
Core Diameter	μm 20.0 ± 1.5			
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	Dual coated high index acrylate	Dual coated low index acrylate
Proof Test, ≥	kpsi		100	

## Matched Yb-doped LIEKKI® Fiber

Yb700-20/125DC	Yb1200-20/125DC	Yb1200-20/125DC-PM
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