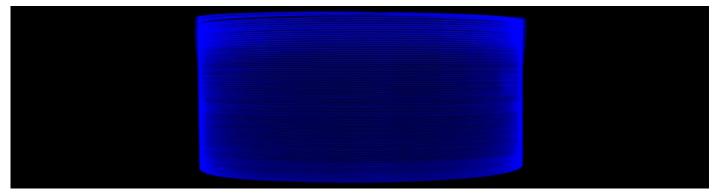
LIEKKI[®]

Large Mode Area Passive-30/250 Fibers



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 $150^\circ\mathrm{C}$ 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)		Passive-30/250DC(-PM)		
Optical	Units					
Core Numerical Aperture		0.070 ± 0.005				
Cladding Numerical Aperture, ≥		-		0.48		
Core Background Loss at 1200 r	5.0					
Geometrical and mechan	ical					
Birefringence, ≥	1E-04	-	1.6	-	1.6	
Core Diameter	μm	30.0 ± 2				
Core Concentricity Error, ≤	μm	1.2				
Cladding Diameter	μm	250 ± 5				
Cladding Geometry		Round	Round, Panda	Round	Round, Panda	
Coating Diameter		350 ± 15				
Coating Material		Dual coated high index acrylate		Dual coated lov	Dual coated low index acrylate	
Proof Test, ≥	kpsi	100				

Matched Yb-doped LIEKKI[®] Fiber

Yb1200-30/250DC

Yb1200-30/250DC-PM

nLIGHT continually improves its products to provide outstanding quality and reliability. The information contained herein is subject to change without notice. nLIGHT, Inc. shall not be liable for technical or editorial errors or omissions contained herein. Warranties are set forth in express warranty statements accompanying products. Nothing herein should be constituting an additional warranty. For details, please contact your nLIGHT sales representative.

