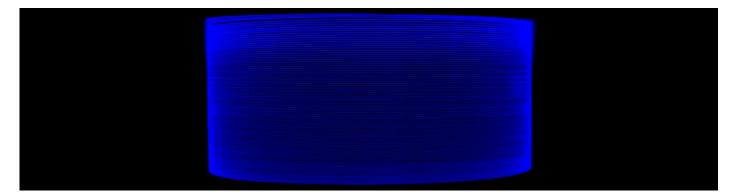
LIEKKI[®]

Passive-25/250, 0.070NA Fibers

Large Mode Area Passive Fiber



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-25/250(-PM)		Passive-25/250DC(-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	25.0 ± 1.5			
Core Concentricity Error, ≤	μm	1.0			
Cladding Diameter	μm	250 ± 5		250 ± 3	
Cladding Geometry		Round	Round, Panda	Round	Round, Panda
Coating Diameter		350 ± 15			
Coating Material		Dual coated high index acrylate Dual coated low in		w index acrylate	
Proof Test, ≥	kpsi	100			

Matched Yb-doped LIEKKI[®] Fiber

Yb1200-25/250DC

Yb1200-25/250DC-PM

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