



Features

- Performance:**
 All-glass, low-OH silica core with F-doped annulus for multi-kW operation (for fibers with core diameter $\geq 50 \mu\text{m}$)
 Equal outer diameter ensures easy cabling independent of core size
 Low internal losses for high efficiency and low heating.
 Acrylate coating provides flexible removal of cladding light power, e.g. for stripping of back-reflected light from the cladding.
 Customized versions available on request
- Reliability:** Acrylate coating enables fiber applications in extreme environmental conditions: Proven to operate up to 150°C and in extreme humidity.

Applications

- Laser beam delivery for multi-kW power levels

Typical Fiber Specifications

Fiber		LIEKKI® Passive- 14/360DC	LIEKKI® Passive- 50/360DC	LIEKKI® Passive- 100/360DC	LIEKKI® Passive- 200/360DC	LIEKKI® Passive- 300/360DC
Optical		Units				
Core Numerical Aperture (nominal)		0.070 ± 0.05		0.23 ± 0.01		
Cladding Numerical Aperture, \geq		0.48				
Core background loss at 1200 nm, \leq	dB/km	5.0	5.0 (low-OH)	5.0 (low-OH)	- (low-OH)	- (low-OH)
Geometrical and mechanical						
Core Diameter	μm	14 ± 1	50 ± 2.5	100 ± 4.0	204 ± 4.0	300 ± 5.0
Core Concentricity Error, \leq	μm	1.5	2.5	5.0	5.0	5.0
Inner Cladding diameter (nominal)	μm	-	70	120	235	360
Cladding Diameter	μm	360 ± 10				
Cladding Geometry		Round				
Coating Diameter		510 ± 25				
Coating Material		Dual coated low index acrylate				
Proof Test, \geq	kpsi	85	100			

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