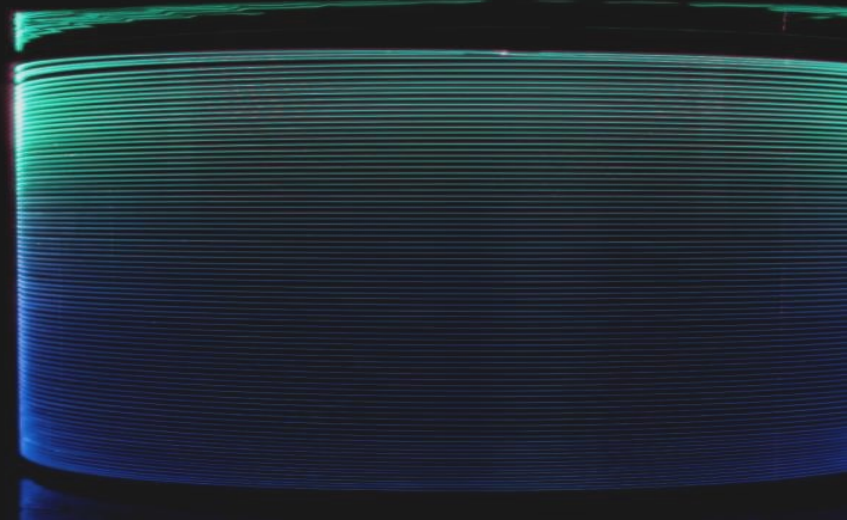


LIEKKI® passive multimoded fibers are especially designed and manufactured to be used in high brightness power delivery applications. The available numerical apertures are the industry standard 0.15 and 0.22, and the fibers can be applied to applications ranging from visible wavelengths to >1500nm.



Features

- Matching with industry standard geometries 105, 200 and 400 μm core diameters
- Matching with industry standard core numerical apertures of 0.15 and 0.22
- Low loss all-glass structure operating over a wide wavelength range
- Round cladding for easy cleaving, splicing and handling
- Single cladding fibers feature a dual coated high-index acrylate coating
- Double cladding fibers feature a $\text{NA} \geq 0.48$ low-index fluoroacrylate coating, which enables fiber applications in extreme environmental conditions: Proven to operate up to 120°C and in extreme humidity.

Applications

- Pigtailed for fiber lasers and amplifiers
- All-fiber subassemblies
- High brightness power delivery
- Fiber based components for fiber lasers (e.g. pump combiners)

Typical Fiber Specifications

LIEKKI® Passive Fiber	Core diameter (μm)	Cladding diameter (μm)	Coating diameter (μm)	Core NA	Cladding NA, \geq	Proof test, \geq (kpsi)
Passive-105/125, 0.15 NA	105 ± 3	125 ± 3	250 ± 15	$0.15^{+0.02}_{-0.00}$	-	100
Passive-105/125, 0.22 NA	105 ± 3	125 ± 3	250 ± 15	$0.22^{+0.02}_{-0.00}$	-	100
Passive-200/220, 0.15 NA	200 ± 4	220 ± 5	350 ± 15	$0.15^{+0.02}_{-0.00}$	-	100
Passive-200/220, 0.22 NA	200 ± 4	220 ± 5	350 ± 15	$0.22^{+0.02}_{-0.00}$	-	100
Passive-200/220DC, 0.22 NA	200 ± 4	220 ± 5	350 ± 15	$0.22^{+0.02}_{-0.00}$	0.48	100
Passive-400/480, 0.22 NA	400 ± 8	480 ± 9	650 ± 30	$0.22^{+0.02}_{-0.00}$	-	70