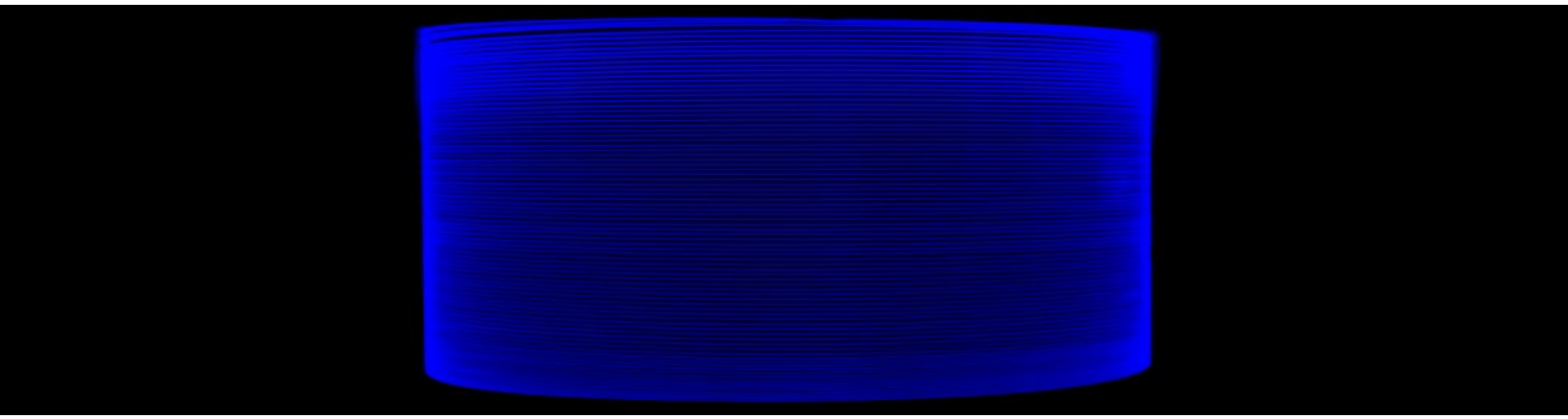
LIEKKI®

Multimoded Passive Fibers



Features

- **Performance**:
  Low loss all-glass structure operating over a wide wavelength range
  Round cladding for easy cleaving, splicing and handling
- **Reliability**:
  Single cladding fibers feature a dual coated high-index acrylate coating
  Low-index acrylate (double cladding) coating proven to operate up to 150˚C and in extreme humidity.
- **Compatibility**:
  Matching with industry standard core geometries 125, 200 and 400 µm
  Matching with industry standard core numerical apertures of 0.15 and 0.22

Applications

- Pigtails 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	Core concentricity error, ≤ µm	Cladding diameter µm	Coating diameter µm	Core NA	Cladding NA, ≥	Proof test, ≥ kpsi
Passive-105/125, 0.15 NA	105 ± 3	2.0	125 ± 3	250 ± 15	$0.15^{+0.02}_{-0.00}$	-	100
Passive-105/125, 0.22 NA	105 ± 3	2.0	125 ± 3	250 ± 15	$0.22^{+0.02}_{-0.00}$	-	100
Passive-200/220, 0.15 NA	200 ± 4	2.0	220 ± 5	350 ± 15	$0.15^{+0.02}_{-0.00}$	-	100
Passive-200/220, 0.22 NA	200 ± 4	2.0	220 ± 5	350 ± 15	$0.22^{+0.02}_{-0.00}$	-	100
Passive-200/220DC, 0.22 NA	200 ± 4	2.0	220 ± 5	350 ± 15	$0.22^{+0.02}_{-0.00}$	0.48	100
Passive-400/480, 0.22 NA	400 ± 8	5.0	480 ± 9	650 ± 30	$0.22^{+0.02}_{-0.00}$	-	70

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