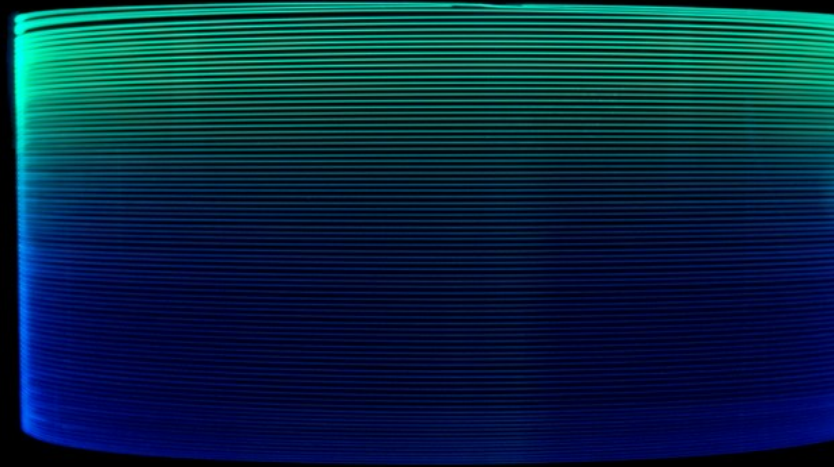


LIEKKI® coreless passive fibers are designed and manufactured to be used as end caps in fiber amplifiers and lasers. The fibers contain no core and consist only of a silica cladding which is coated by a dual layer low index acrylate. LIEKKI® coreless passive fibers are ideal for reducing back reflections from fiber ends and preventing fiber damage at the end face in high power applications.



Features

- Matching with industry standard cladding geometries 125, 250, 400 and 480 μm
- Round, silica cladding for easy cleaving, splicing and handling
- Double cladding fibers feature a low-index fluoroacrylate coating with NA ≥ 0.48
- Acrylate coating enables fiber applications in extreme environmental conditions: Proven to operate up to 120°C and in extreme humidity.

Applications

- Fiber end caps for fiber lasers and amplifiers
- Reduction of back reflections
- Prevention of fiber end facet damage in high power applications

Typical Fiber Specifications

LIEKKI® Passive Fiber	Core diameter	Cladding diameter (μm)	Coating diameter (μm)	Cladding NA, \geq	Proof test, \geq (kpsi)
Passive-125DC	-	125 \pm 3	250 \pm 15	0.48	100
Passive-250DC	-	250 \pm 5	350 \pm 15	0.48	100
Passive-400DC	-	400 \pm 8	500 \pm 15	0.48	50
Passive-480DC	-	480 \pm 9	650 \pm 15	0.48	50