



Features

- **Direct Nanoparticle Deposition:** Industry leading fiber deposition process
- **rea/NA:** most accurate fiber core NA to enable superior predictability of fiber performance and minimal splice loss
- **Performance:** Large, low-NA core enabling low nonlinearity and high beam quality
- **Reliability:**
Very high photodarkening resistivity for long-term reliability
Coating proven to operate up to 150°C and in extreme humidity
- **Compatibility:** nLIGHT passive fibers matched for minimal splice loss

Applications

- Medium power pulsed (ns) fiber amplifiers
- Marking and material processing

Typical Fiber Specifications

Fiber		LIEKKI® Yb700-20/125DC
Optical	Units	
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(17.2)
Cladding Absorption at 920 nm	dB/m	4.0 ± 0.5
Core Numerical Aperture (rea/NA)		0.080 ± 0.005
Cladding Numerical Aperture, ≥		0.48
Core background loss at 1200 nm, ≤	dB/km	25
Geometrical and mechanical		
Core Diameter	μm	20.0 ± 1.5
Core Concentricity Error, ≤	μm	1.0
Cladding Diameter	μm	125 ± 2
Cladding Geometry		Octagonal
Coating Diameter		245 ± 15
Coating Material		Dual coated low index acrylate
Proof Test, ≥	kpsi	100