



Features

- **Direct Nanoparticle Deposition:** Industry leading fiber deposition process
- **Performance:**
Very high Erbium doping for short application length and low nonlinearities
Suitable for both 980nm and 1480nm pumping
- **Reliability:** Telecom grade dual layer UV-cured acrylate coating
- **Compatibility:** Telecom-like geometry with good spliceability to standard SM fibers

Applications

- Ultrashort (fs) pulsed amplifiers and lasers
- Applications requiring low non-linearity

Typical Fiber Specifications

Fiber	LIEKKI® Er110-4/125	
Optical	Units	
Mode Field Diameter at 1550 nm ⁽¹⁾	µm	6.5 ± 0.5
Peak Core Absorption at 1530 nm	dB/m	110.0 ± 10.0
Core Numerical Aperture (nominal)		0.2
Cut-off wavelength ⁽²⁾	nm	890 ± 90
Geometrical and mechanical		
Core Concentricity Error, ≤	µm	0.7
Core Ellipticity Error, ≤	%	5.0
Cladding Diameter	µm	125 ± 2
Cladding Geometry		Round
Coating Diameter		245 ± 15
Coating Material		Dual coated high index acrylate
Proof Test, ≥	kpsi	100

⁽¹⁾ Near-field Mode Field Diameter

⁽²⁾ Calculated value