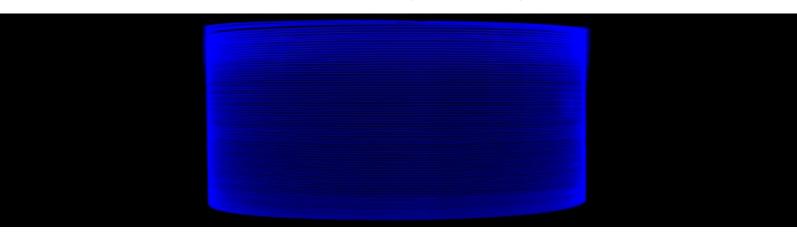


Single Mode Single Clad Erbium Doped Fiber



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 nonlinearity

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

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⁽²⁾ Calculated value