



Features

- Direct Nanoparticle Deposition: Industry leading fiber deposition process
- **Performance**: Short application length for reduced nonlinear effects Low polarization mode dispersion, typical value <25 fs/m 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 Telcordia GR–1312–CORE Generic Requirements qualified

Typical Fiber Specifications

Fiber		LIEKKI [®] Er40-4/125
Optical	Units	
Mode Field Diameter at 1550 nm $^{(1)}$	μm	6.5 ± 0.5
Peak Core Absorption at 1530 nm	dB/m	40.0 ± 4.0
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, ≤	%	4.0
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

nLIGHT continually improves its products to provide outstanding quality and reliability. The information contained herein issubject to change without notice. nLIGHT, Inc. shall not be liable for technical or editorial errors or omissions contained herein. Warranties are set forth in express warranty statements accompanying products Nothing herein should be constituting an additional warranty. For details, please contact your nLIGHT sales representative.

Applications

- C- and L-band amplifiers
- ASE sources
- Pre-amplifier for high power LIDAR

n L I G H T