



Features

- **Direct Nanoparticle Deposition:** Industry leading fiber deposition process
- **Performance:**
Wide spectrum designed for C- and L-band amplifiers
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

Applications

- C- and L-band DWDM, Metro and CATV
- ASE sources
- Pre-amplifier for high power LIDAR

Typical Fiber Specifications

Fiber	LIEKKI® Er30-4/125	
Optical	Units	
Mode Field Diameter at 1550 nm ⁽¹⁾	µm	6.5 ± 0.5
Peak Core Absorption at 1530 nm	dB/m	30.0 ± 3.0
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