



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

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

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ss C– and L-band DWDM, Metro and CATV

ASE sources

Applications

• Pre-amplifier for high power LIDAR

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