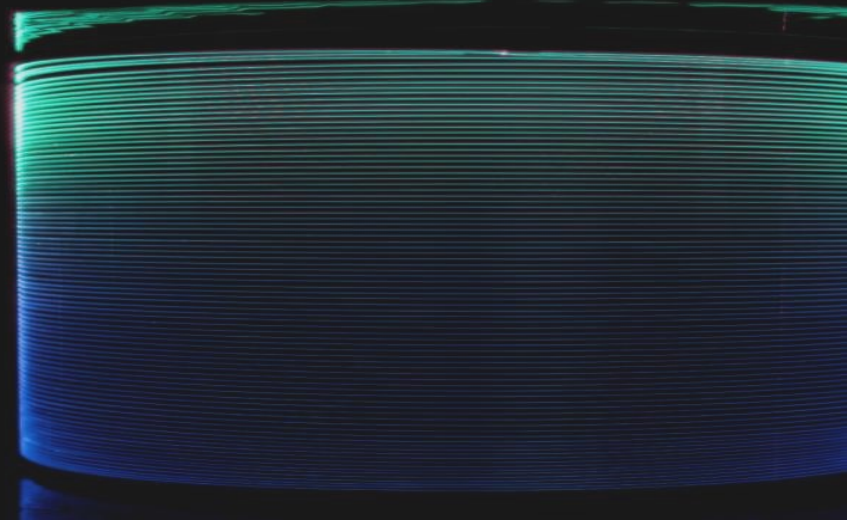


LIEKKI® Er16-8/125 fiber is a large mode area (LMA) erbium doped fiber suitable for medium power output amplifiers. Good spliceability, excellent power conversion efficiency, and excellent spectral reproducibility and consistency make this fiber the choice for today's medium power output amplifiers used, for example, in CATV and PON applications.



Features

- Excellent batch consistency of erbium peak absorption and spectral shape
- Good power conversion efficiency for medium power applications
- Wide and flat spectrum
- Dual layer UV-cured acrylate coating
- Suitable for both 980 nm and 1480 nm pumping
- Telecom-like geometry with good spliceability to standard single mode and 1060 pigtail fibers (SMF-28)
- Telcordia GR-1312-CORE Generic Requirements qualified

Applications

- Medium power DWDM, CATV and PON
- Medium power, low non-linearity applications

Typical Fiber Specifications

Fiber		LIEKKI® Er16-8/125
Optical	Units	
Mode Field Diameter at 1550 nm	μm	9.5 ± 0.8
Peak Core Absorption at 1530 nm	dB/m	16.0 ± 3.0
Core Numerical Aperture (nominal)		0.13
Cut-off Wavelength	nm	1250 ± 150
Geometrical and mechanical		
Core Concentricity Error, ≤	μm	0.7
Cladding Diameter (flat-to-flat)	μm	125 ± 2
Cladding Geometry		Round
Coating Diameter		245 ± 15
Coating Material		Dual coated high index acrylate
Proof Test, ≥	kpsi	100