



Features

- **Compatibility:**
realNA — most accurate fiber core NA for minimal splice loss
Glass cladding diameter is designed to “fit-in” octagonal active fibers
Fiber Bragg Gratings can be written into all large mode area passive fibers
- **Reliability:**
Double cladding fiber coating proven to operate up to 150°C and in extreme humidity

Applications

- Fiber-based components for fiber lasers (e.g. pump combiners; FBGs)
- Pigtails for fiber lasers and amplifiers
- All-fiber subassemblies

Typical Fiber Specifications

LIEKKI® Fiber		Passive-22/400DC
Optical	Units	
Mode Field Diameter at 1060nm ⁽¹⁾		18.0 ± 1.0
Cladding Numerical Aperture, ≥		0.48
Core Background Loss at 1200 nm, ≤ dB/km		5.0
Geometrical and mechanical		
Core Concentricity Error, ≤	µm	1.2
Cladding Diameter	µm	400.0 ± 5
Cladding Geometry		Round
Coating Diameter		500 ± 15
Coating Material		Dual coated low index acrylate
Proof Test, ≥	kpsi	100

⁽¹⁾ Near-field Mode Field Diameter

Matched Yb-doped LIEKKI® Fiber

Yb800-22/400DC (HP)

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