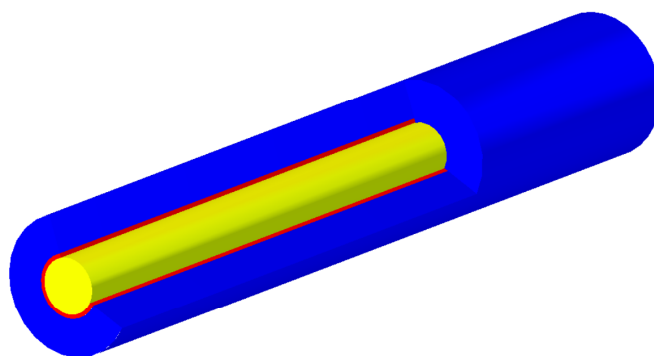


# Berkshire Photonics

## AllCore Step-Index Fiber

### General Attributes

- Glass Core, Glass Cladding
- 200  $\mu\text{m}$
- 0.22 NA



### Specifications

#### Structure

Core Diameter	200 $\pm$ 5 $\mu\text{m}$
Core Material	Ge Doped Synthetic Silica, Low OH-
Clad Diameter	240 $\pm$ 7 $\mu\text{m}$
Cladding Material	Synthetic Silica
Core/Cladding Offset	<4 $\mu\text{m}$
Coating Diameter	500 $\pm$ 15 $\mu\text{m}$
Coating Type	Dual Layer, UV Acrylate

#### Properties

Operating Wavelength Range	600-1700 nm
Numerical Aperture	0.22 $\pm$ 0.02 (nom.)
Bandwidth	20 MHz-km (nom.)
Attenuation @850 nm	<8 dB/km

#### Mechanical Information

Operating Temperature	-55°C to 85°C
Proof Test Level	100 kpsi
Short Term Bend Radius	$\geq$ 13mm
Long Term Bend Radius	$\geq$ 32 mm

### Applications

Laser Delivery  
Power Transmission  
Data Communications

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