

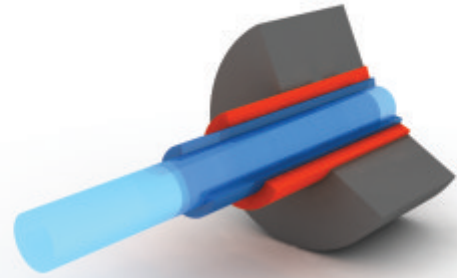
Features

- » Broad useful spectral transmission range
- » Specialty coatings available for high temperatures, high vacuum and harsh chemicals environments
- » Biocompatible materials
- » Sterilizable by ETO, steam, e-beam, gamma radiation
- » Radiation resistant
- » Laser damage resistant



Properties

- » Core/clad ratio: 1.1, 1.2, 1.4
- » Numerical aperture: 0.28 ... 0,4
- » Operation wavelength range: 500nm to 2600 nm
- » Proof test level (bend method): 70 kpsi
- » Bend radius:
 - momentary 100 times the fiber radius
 - long term 600 times the fiber radius
- » low NA \leq 0,35
- » high NA \leq 0,4
- » Diameter see AS...IR fibers



Fiber Design

- » GE-doped fused silica core (low OH-)
- » Fluorine doped fused silica cladding
- » Acrylate coating (-40°C to 85°C)
- » Silicone resin coating (-40°C to 180°C)
- » Polyimide coating (-190°C to 385°C)

Buffer

- » Nylon (-40°C to 100°C)
- » ETFE (-200°C to 150°C)
- » Acrylate (-40°C to 85°C)

Options

- » Core/clad ratios 1.15, 1.30, 1,4
- » Numerical apertures 0.3 ... 0,4
- » Metal coating
- » Fiber bundles
- » Tapered fibers
- » Connectors (SMA, FC/PC, ST, DIN)
- » AS-Fiber cables
- » high temperatur acrylate coating (-40°C to 200°C)