

Total Bending Insensitiv Assembling

Features

- » High numerical aperture possible
- » Radiation resistant
- » High Temperature resistant
- » (Biocompatible Material)
- » (Sterilizable by ETO, e-beam, gamma radiation)
- » Excellent chemical and abrasion resistance

Properties

- » Step Index Profile
- » Wavelength dependent numerical aperture 0.5 ... 0.9
- » Operation wavelength range IR: 400nm ... 2400nm

attenuation co-effizienz: 2,6dB/km

numerical aperture: 0,6

core diameter: 100 μ m ... 300 μ m

Fiber Design

- » Pure fused silica (low OH-)
- » microstructured 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)

Options

- » Numerical apertures 0.5 ... 0.9
- » Metal coating
- » Connectors with sealed ends (SMA, FC/PC, ST, DIN)
- » AS-Fiber cables
- » high temperatur acrylate -40°C to 200°C
- » Buffer Options:
- » Nylon (-40°C to 100°C)
- » ETFE (-200°C to 150°C)

