

HPCS-FIBERS

Features

- High numerical aperture fiber for fiber bundles and short haul data transmission
- Cost effective
- High core to clad ratio
- Biocompatible materials
- Sterilizable by ETO, e-beam, gamma radiation
- Radiation resistant
- Excellent chemical and abrasion resistance



Fiber-Design

- Fiber design: Pure fused silica core
 Polymer cladding (-50°C to 120°C)
- Jacket: ETFE (-200°C to 150°C)

Properties

- Numerical aperture: 0.55 (2 meters)
- Operation wavelength range: 300 nm to 1100 nm (HPCS-UV)
 400 nm to 1600 nm (HPCS-IR)
- Proof test level (bend method): 70 kpsi
- Bend radius: momentary 100 times the core radius
 long term 600 times the core radius

Product code	Core (μm) ± 2%	Cladding (μm) ± 2%	Coating (μm) ± 3%
HPCS50UV	50	58	
HPCS70UV	70	78	
HPCS100UV	100	110	
HPCS125UV	125	140	500
HPCS200UV	200	230	500

For HPCS-IR fiber, replace UV with IR in product code.
 Other specifications upon request.