

HARD POLYMER CLAD SILICA (HPCS) FIBERS



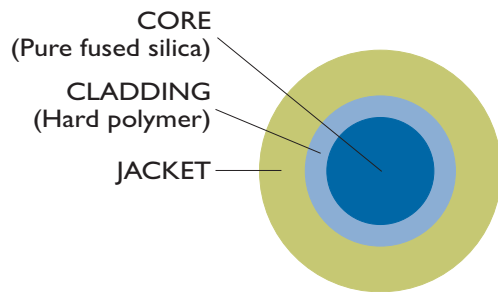
OPERATING SPECTRAL RANGE: 300-1200 NM FOR UV/VIS
400-2200 NM FOR VIS/NIR

FEATURES

- Cost effective alternative to all silica fibers
- UV/VIS and VIS/NIR type available
- High fiber strength
- Reduced static fatigue
- High numerical aperture
- Biocompatible materials
- Sterilizable by ETO, gamma radiation
- Radiation resistant
- High core to clad ratio
- High concentricity

FIBER PROPERTIES

- Step index profile
- Bonded hard polymer cladding
- Numerical aperture: 0.37
- Proof test: 70 kpsi
- Minimum bend radius:
100 times the clad radius (momentary)
600 times the clad radius (long term)



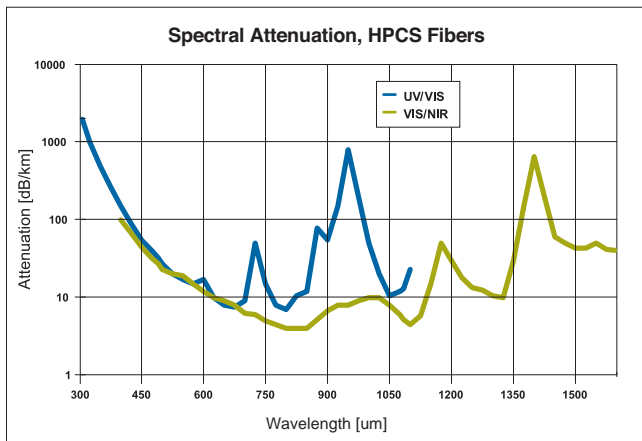
APPLICATIONS

Medical

- Laser surgery
- Angioplasty
- Lithotripsy
- Urology
- Dermatology
- Photodynamic therapy

Industrial/Scientific

- Spectroscopy
- Remote illumination
- Remote sensing
- Laser diode coupling



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PRODUCT CODE	CORE DIAMETER [μm] \pm 2 %	CLAD DIAMETER [μm] \pm 3 %	JACKET DIAMETER [μm] \pm 5 %	NUMERICAL APERTURE \pm 0.02	SPECIFIC FEATURE
TEFZEL JACKETED FIBERS					
HUV200T	200	230	500	0.37	
HUV400UVT	400	430	730	0.37	
HUV600UVT	600	630	1040	0.37	
HUV1000UVT	1000	1050	1400	0.37	

FOR VIS/NIR HUV FIBER, REPLACE **UV** WITH **IR** IN THE PRODUCT CODE: HIR.

OTHER SPECIFICATIONS UPON REQUEST.