

# SILICA/SILICA Optical Fiber

FV

Fibers

New Tighter Tolerances!

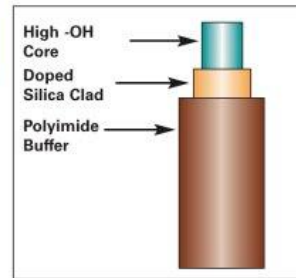
- High -OH
- UV Enhanced

### Characteristics

- Step Index
- Numerical Aperture: 0.22 ± 0.02
- Full Acceptance Cone: 25.4 degrees
- UV-Vis-NIR Transmission, 180nm to 1,150nm
- Superior Radiation Resistant
- High Laser Damage Threshold
- Sterilizable\*
- Bio-compatible Materials – USP Class VI\*
- High -OH Silica Core, Doped Silica Clad
- Polyimide Buffer Standard; Silicone, Acrylate, Fluoropolymer, Aluminum & dual buffers also available
- Polyimide Concentricity ± 3µm
- Sizes for Bundling
- Tighter Tolerances Available
- Temperature: Operating -65°C to +300°C Intermittent, up to 400°C
- Proof Tested to 100kpsi

\* The end manufacturer is responsible for bio-compatibility and sterilization testing and validation studies.

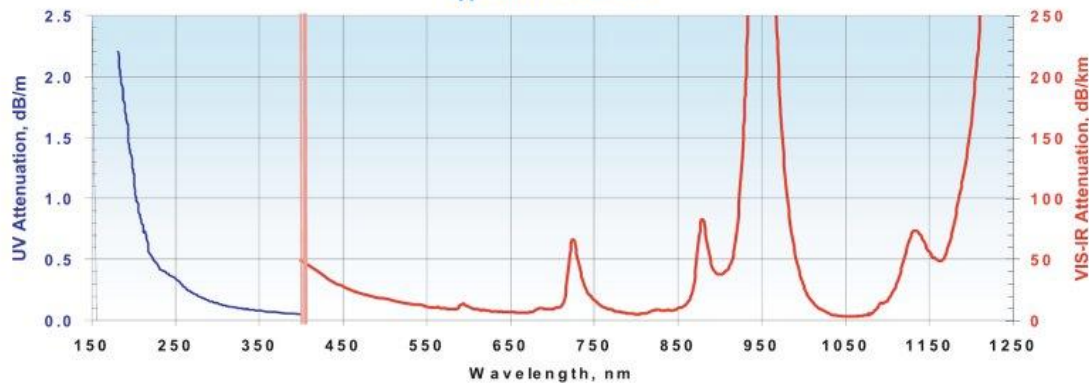
Product Descriptor	Core (µm)	Clad (µm)	Buffer (µm)
FVP050055065*	50 ± 2	55 ± 2	65 ± 2
FVP100110125**	100 ± 3	110 ± 3	124 ± 3
FVP150165195	150 ± 3	165 ± 3	195 ± 5
FVP200220240	200 ± 4	220 ± 4	239 ± 5
FVP300330370	300 ± 6	330 ± 7	370 ± 10
FVP400440480	400 ± 8	440 ± 9	480 ± 7
FVP500550590	500 ± 10	550 ± 10	590 ± 10
FVP600660710	600 ± 10	660 ± 10	710 ± 10
FVA8008801100***	800 ± 20	880 ± 15	1100 ± 30
FVP100120140	100 ± 3	120 ± 3	140 ± 4
FVP200240280	200 ± 4	240 ± 4	275 ± 5
FVP320385415	320 ± 8	385 ± 8	415 ± 10
FVA100010501250***	1000 ± 20	1050 ± 15	1250 ± 40



**Note:** The items listed in this table are standard configurations and sizes. Other configurations may be available on request. Please let us know what we can do to help satisfy your project requirements.

\* Recommended for UV wavelengths only. Availability varies.  
 \*\* Not recommended for wavelengths greater than 1000nm.  
 \*\*\* Acrylate buffer

### Typical Attenuation



QUALITY MANAGEMENT SYSTEM  
 CERTIFIED BY DNV  
**ISO 9001:2000**

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