

High-OH

CHARACTERISTICS

Step index
 Sterilizable and bio-compatible – USP class VI*

Numerical aperture: 0.22 ± 0.02
 Full acceptance cone: 25.4 degrees
 High-OH silica core, doped silica clad

UV-Vis-NIR transmission, 180 to 1,150nm
 Polyimide buffer standard; silicone, acrylate, high-temperature acrylate also available.

Superior radiation resistance
 Polyimide concentricity $< 3\mu\text{m}$

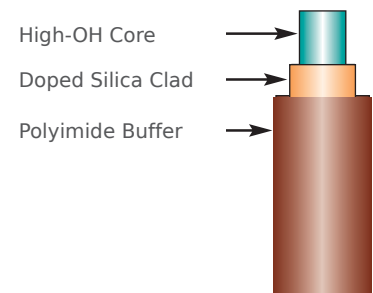
High laser damage threshold

Polymicro SILICA/ SILICA Optical Fiber FV

Sizes for bundling
 Tighter tolerances available
 Temperature:
 operating -65 to $+300^\circ\text{C}$
 intermittent, up to 400°C
 Proof tested to 100kpsi

Specifications

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
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
FVA105125250	105 ± 2	$125 +1/-3$	250 ± 12
FVA050125250	50 ± 2	$125 +1/-3$	250 ± 12
FVA050125145	50 ± 2	$125 +1/-3$	145 ± 5



Note: The items listed in this table are standard configurations and sizes. Other configurations may be available on request.

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

Typical Attenuation

