

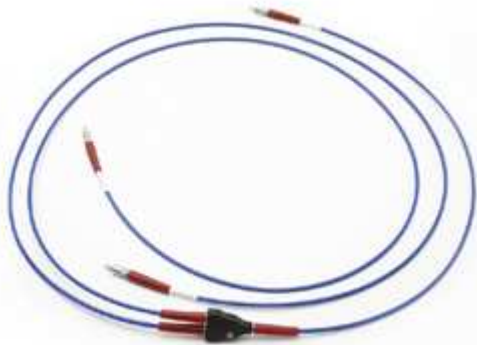
## SMA 905 Aluminum & Polyimide Fiber Connector



*SMA 905 Polyimide Fiber Connectors* are used to terminate UHV and air service fiber optic cables. These connectors mate with Polyimide buffered fiber only due to the buffer size of the fiber.

*SMA 905 Aluminum Fiber Connectors* are used to terminate UHV and air service fiber optic cables. These connectors mate with Aluminum buffered fiber only due to the buffer size of the fiber.

*Bifurcated Cable* assemblies are Y-shaped assemblies with two fibers of the same diameter.



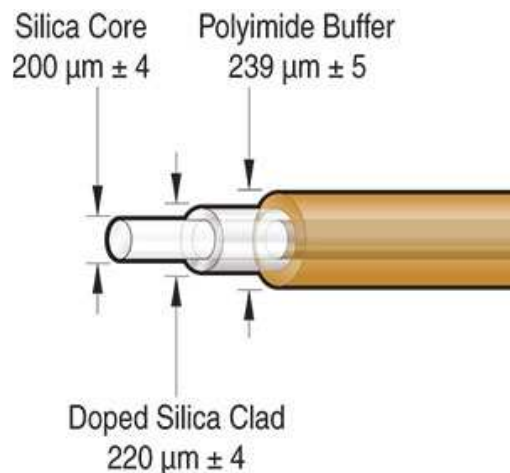
The two fibers are side-by-side inside of a common Premium SMA 905 connector on one end. From the breakout point of the assembly, the two fibers diverge into two legs. UHV and Air-service versions are available where the UHV version is made from 100-percent UHV compatible materials including a PEEK weave jacket, the Air-service assemblies are made with a PVC jacket. Air-service versions are split at 25-inches from the common end and the UHV versions are split at 12-inches from the common end.

**79" long Air side**  
**19" long UHV side**

# VACUUM TECHNOLOGY Hositrade

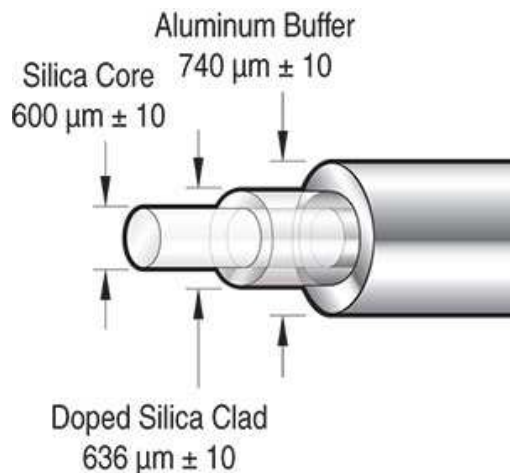
**Polyimide Buffer Fiber** is ideally suited for UHV environments and made with step index High-OH silica core, doped silica clad, and a polyimide buffer. This fiber is supplied non-terminated. Each fiber end is cleaved and NOT polished. The fiber has a numerical aperture of  $0.22 \pm 0.02$  and a full acceptance cone angle of  $24.8^\circ$ . Optical fiber has been proof tested to 100 kpsi.

## Polyimide Buffer Fiber - 200 UV / VIS



**Aluminum Buffer Fiber** is ideally suited for UHV environments and made with step index High-OH silica core, doped silica clad, and an aluminum buffer. This fiber is supplied non-terminated. Each fiber end is cleaved and NOT polished. The fiber has a numerical aperture of  $0.22 \pm 0.02$  and a full acceptance cone angle of  $24.8^\circ$ .

## Aluminum Buffer Fiber - 600 UV / VIS



Options of 19" or 39" inches are available here.  
Custom lengths are also available.