

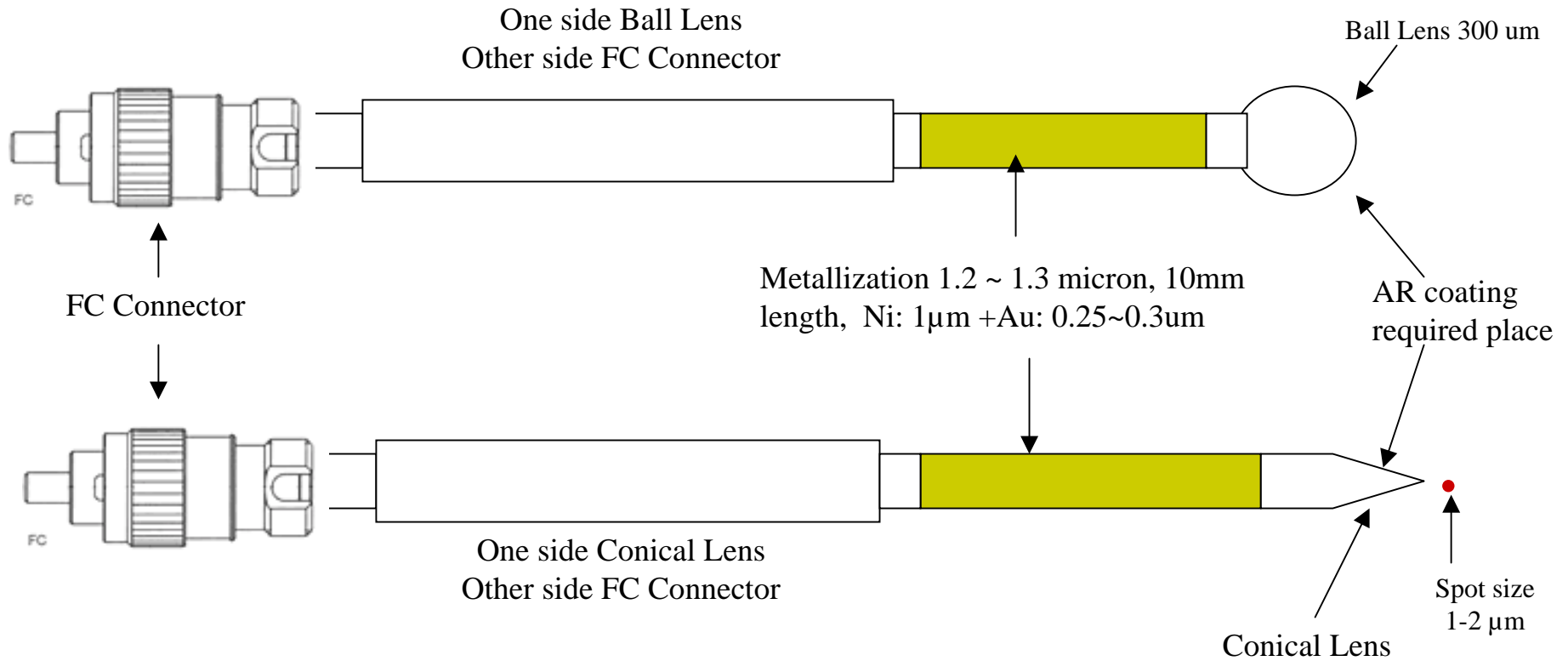


Changing the technology, one fiber at a time...

LaseOptics: Laser applications in science & engineering with Optics (Fiber Optics)

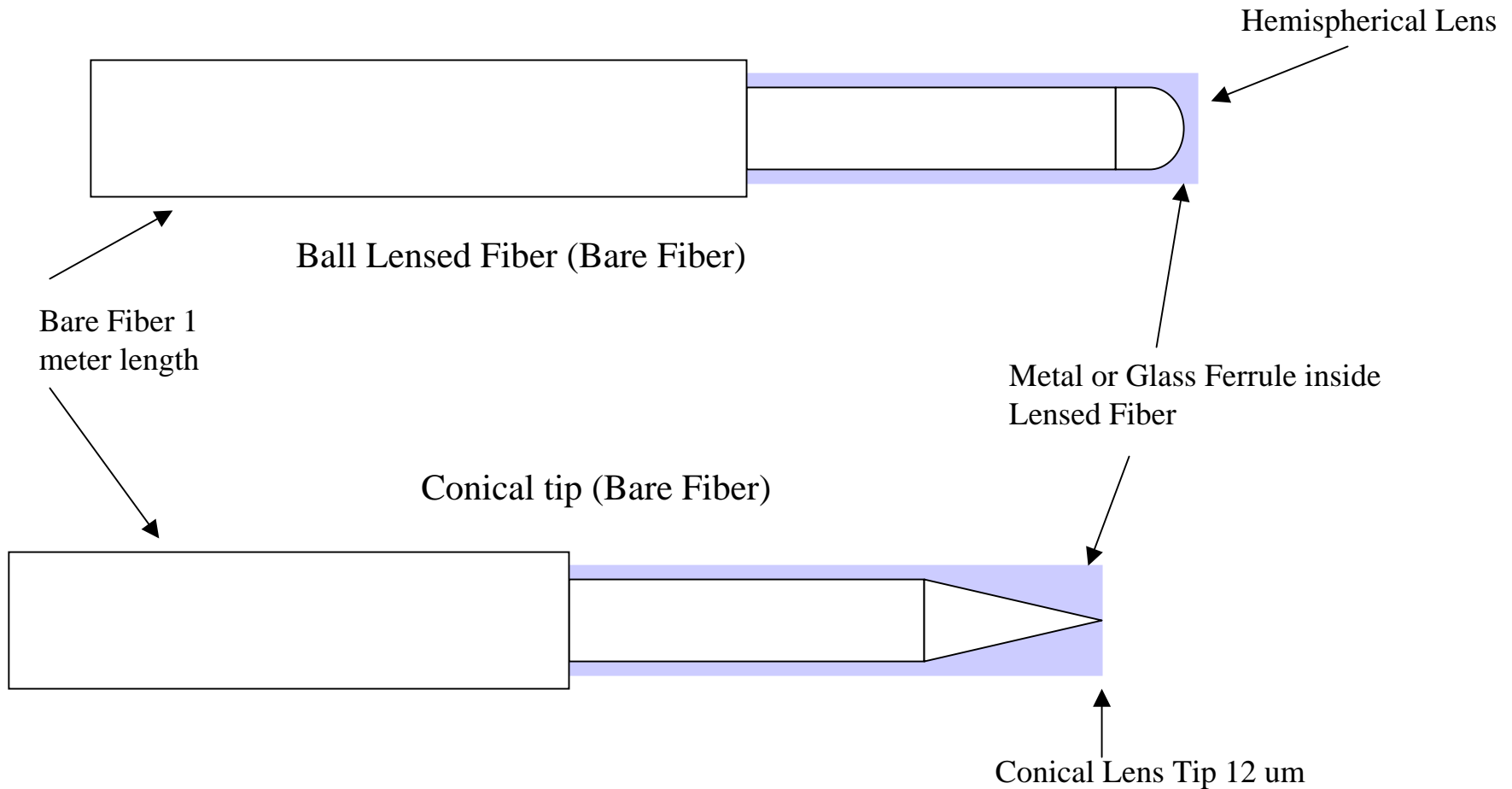
Lensed & Tapered Fibers Production Capabilities Presentation

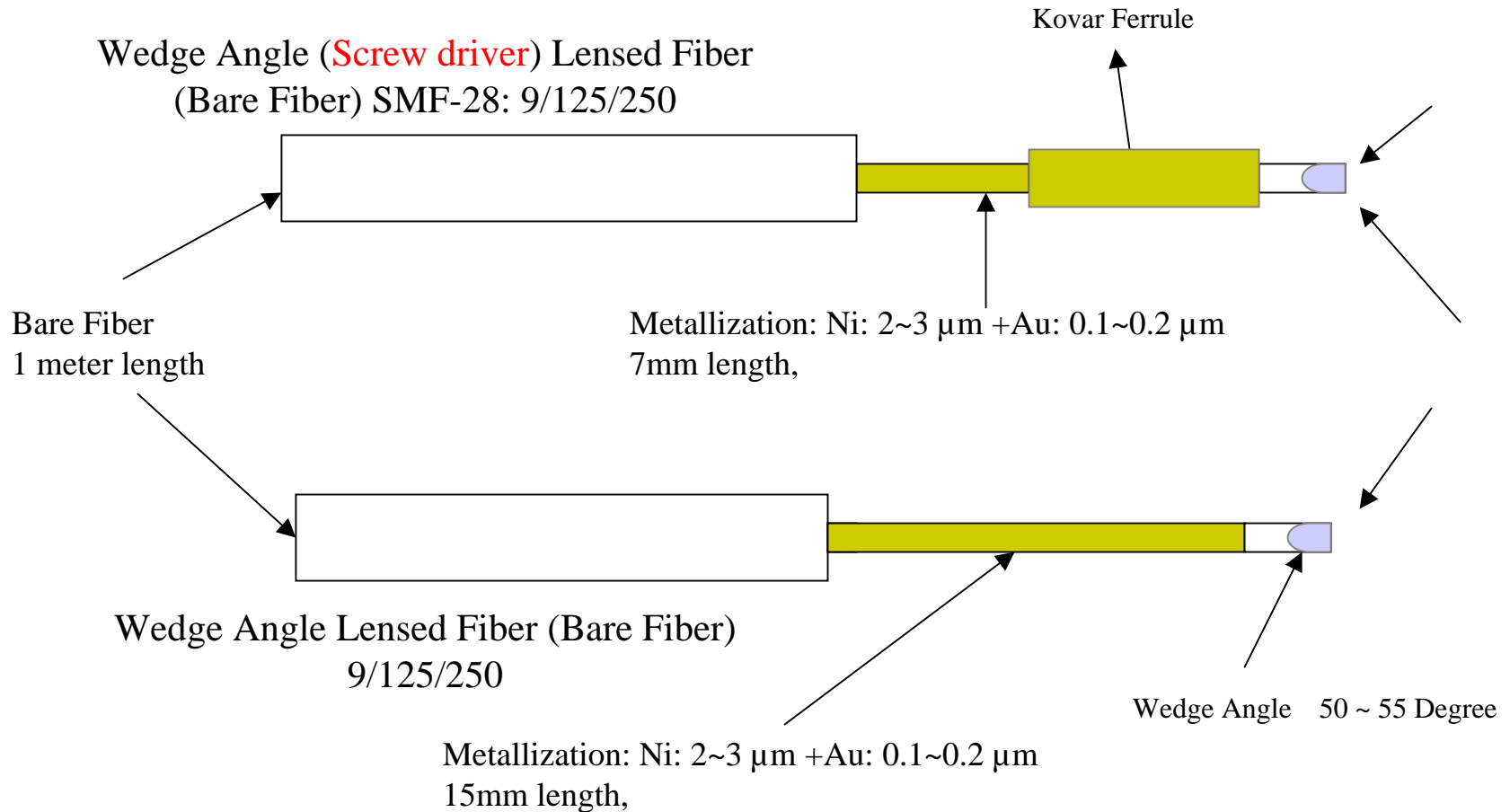
We make Custom Lensed Fibers



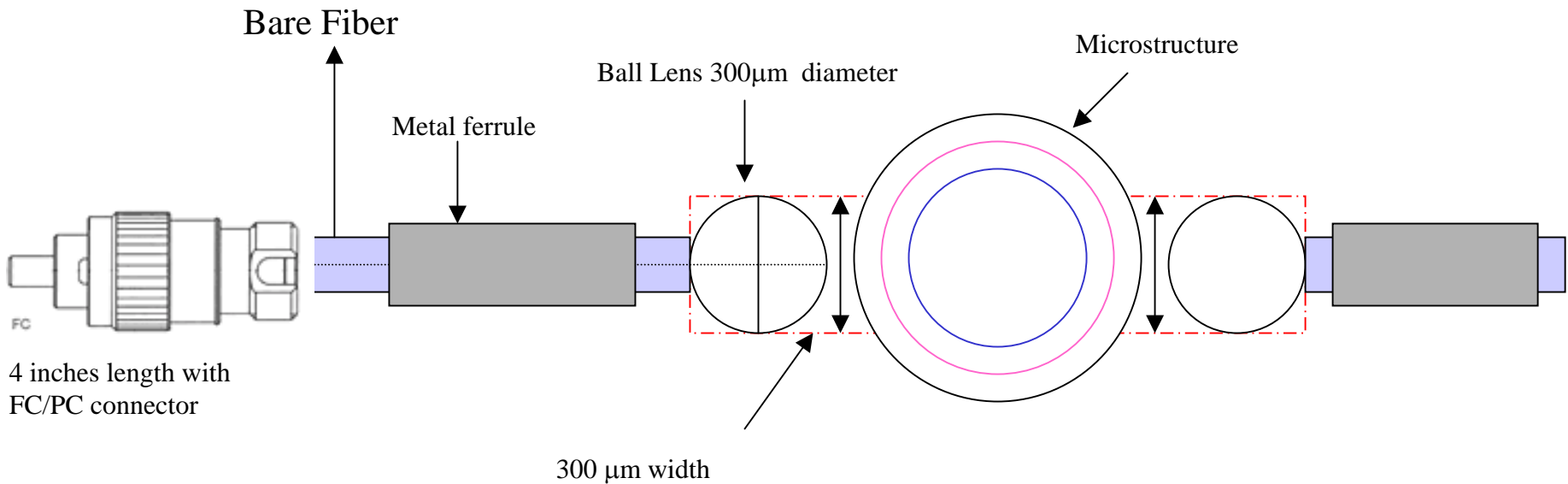
LaseOptics Lensed Fibers SMF-28 with AR coating and Metallization

780 nm of Conical and Spherical Lensed Fibers with Metal/Glass Ferrule for Water Application



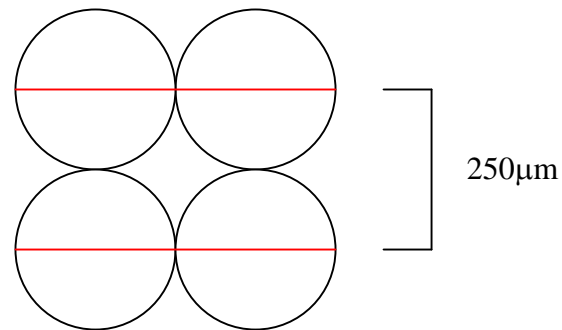


LaseOptics Lensed Fibers with Kovar Ferrules

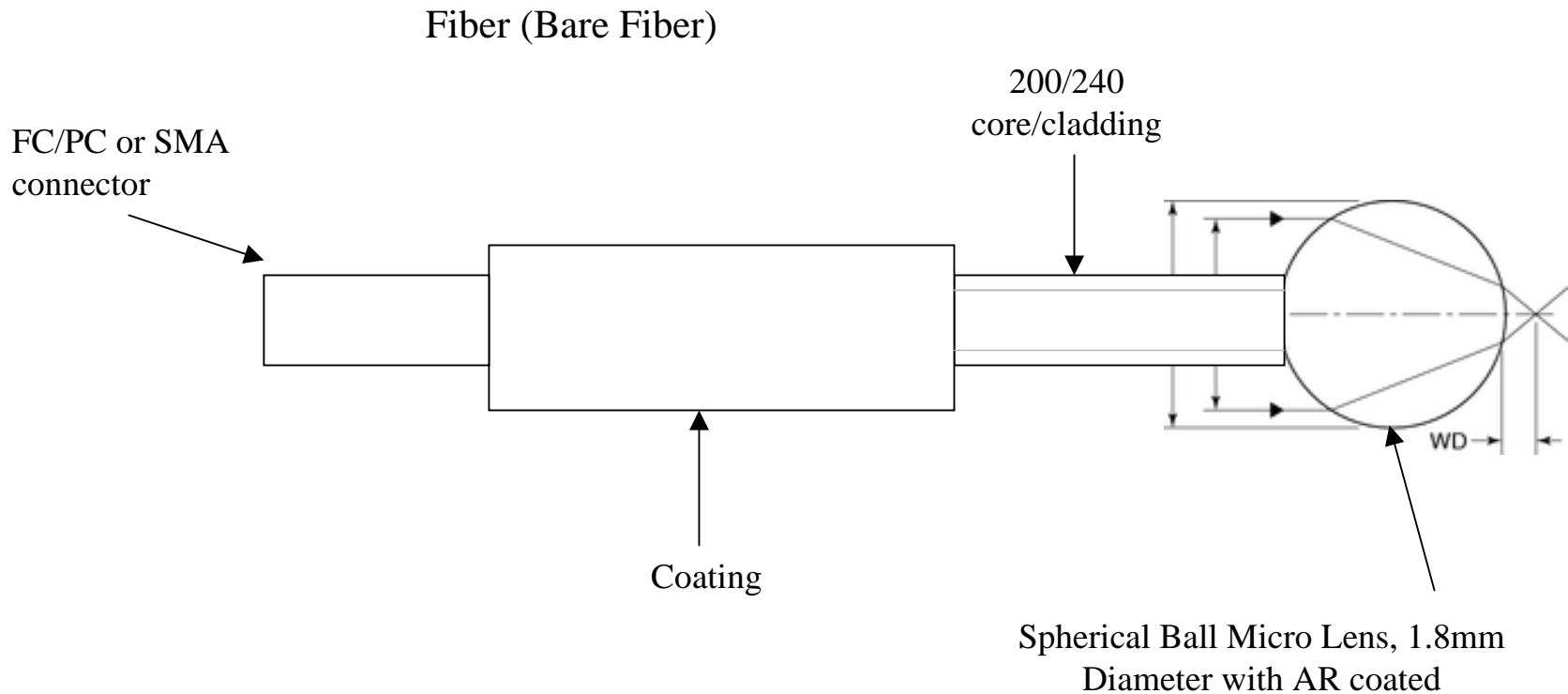


LaseOptics Ball Lensed Fiber Structure

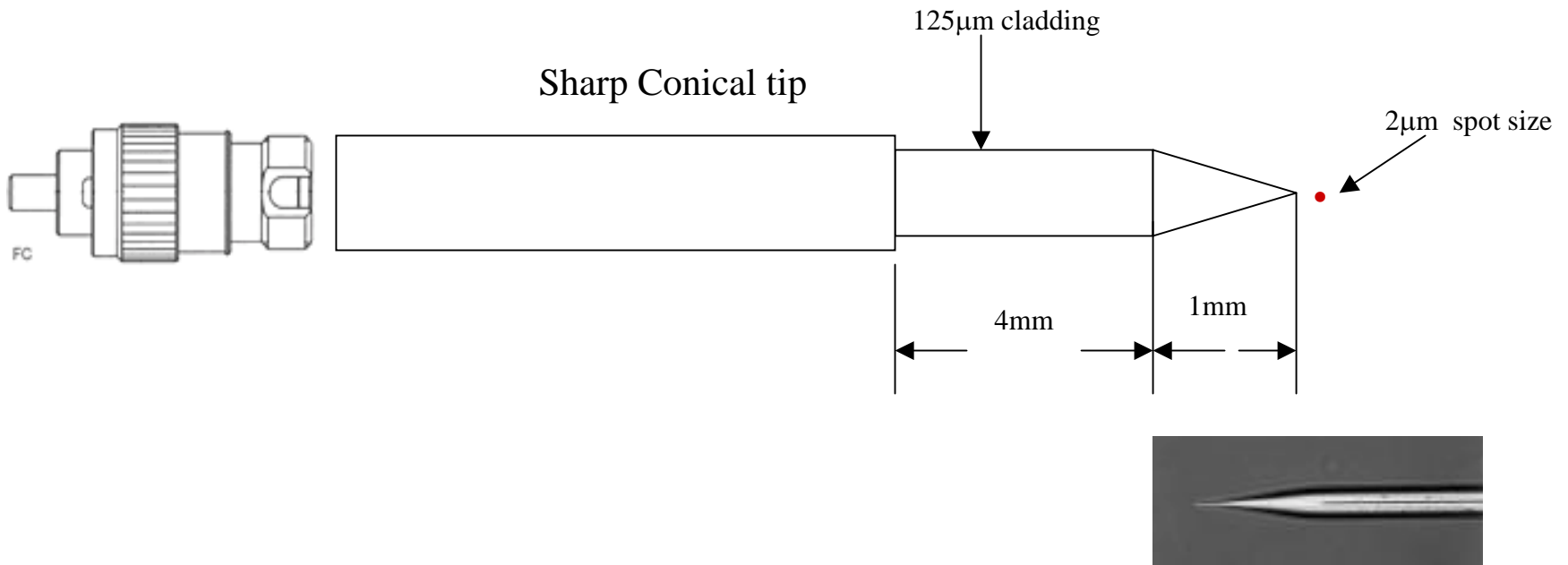
Ball Lens 500 μ m diameter



LaseOptics Ball (Conical) Lensed V-grooves 2 Fiber side by side and 2 in the same way on top

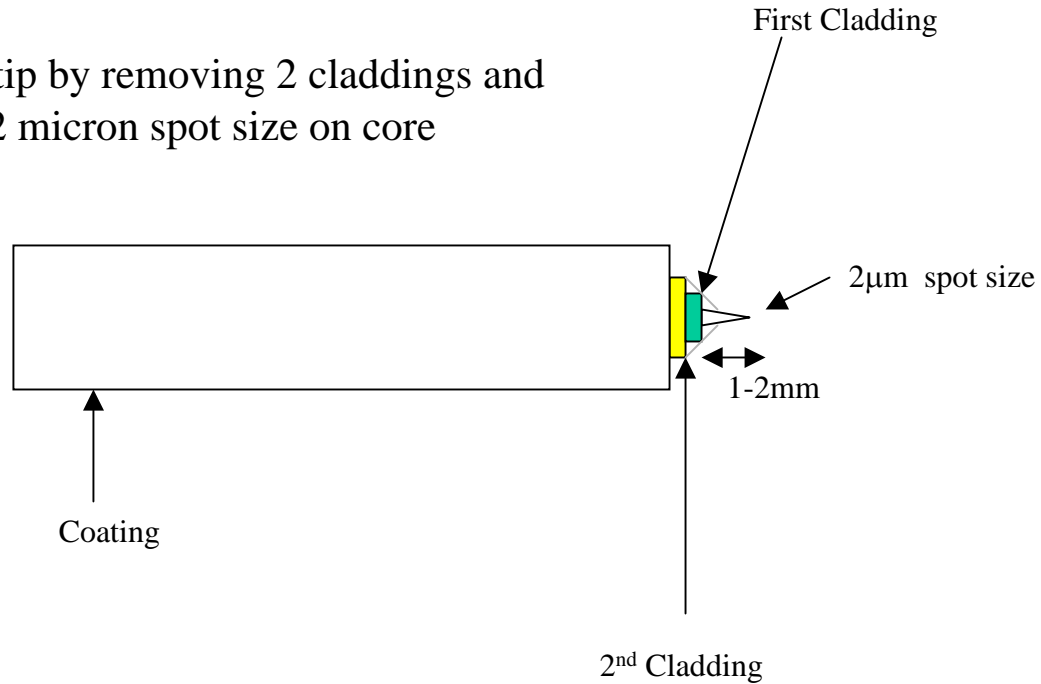


LaseOptics Multi Mode fiber of 200 core one end with 1.8mm Ball Lens on other side plain cleaved or connector



SMF-28 Fiber with Sharp Conical Tip with FC Connector

Sharp Conical tip by removing 2 claddings and making 2 micron spot size on core

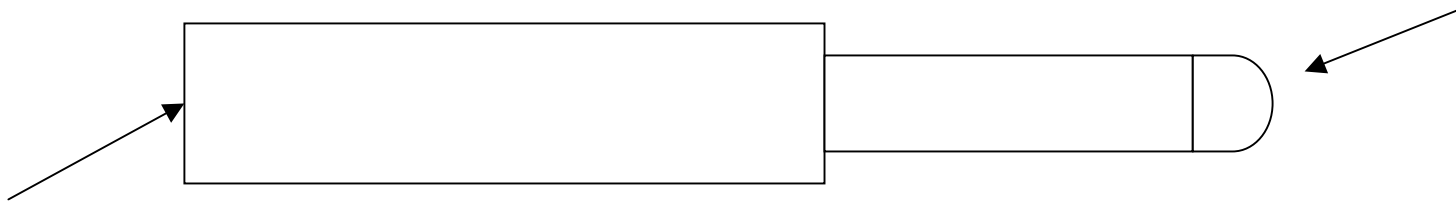


Double Clad Fiber - Sharp Conical Tip

Plastic Optical Fiber tapered of 980 micron core

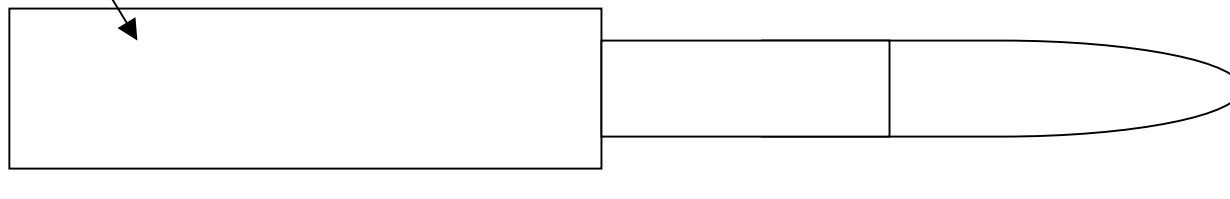
Ball Lensed Fiber (Bare Fiber)

Hemispherical Lens



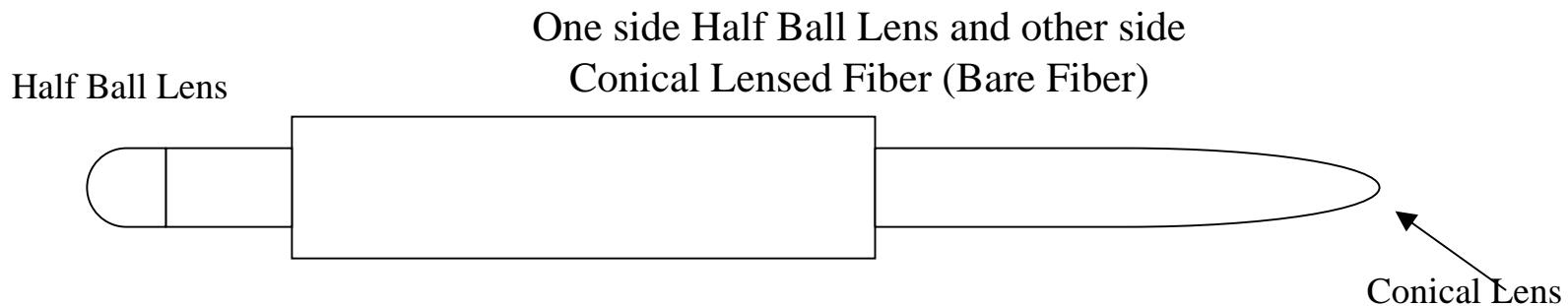
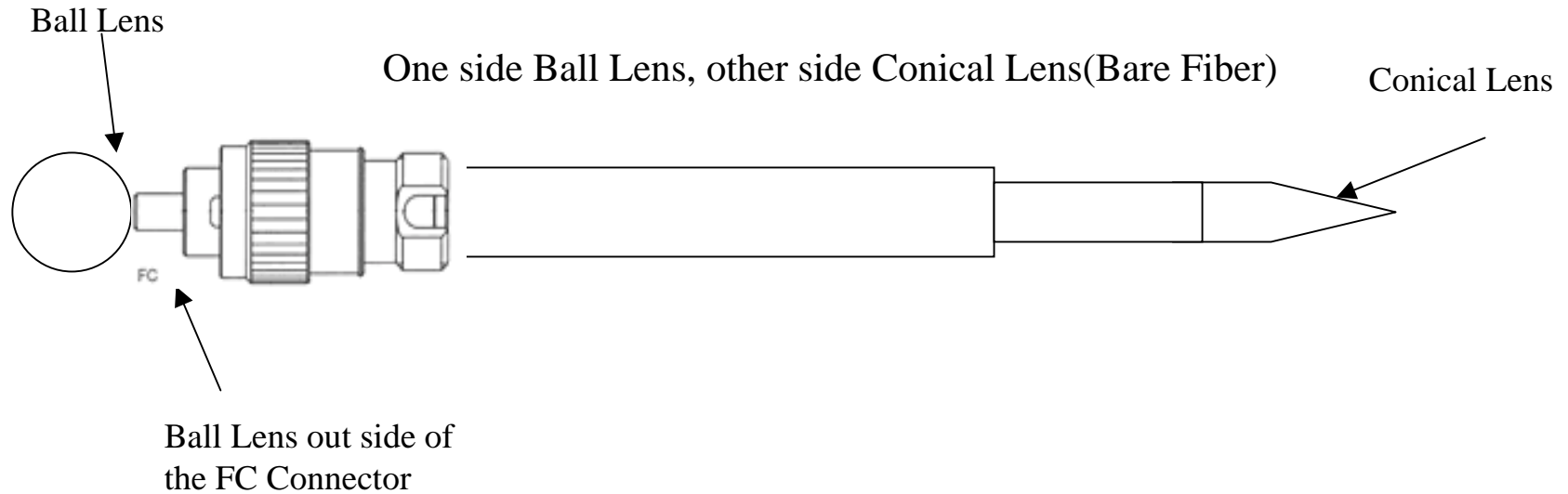
Bare Fiber 1 meter length

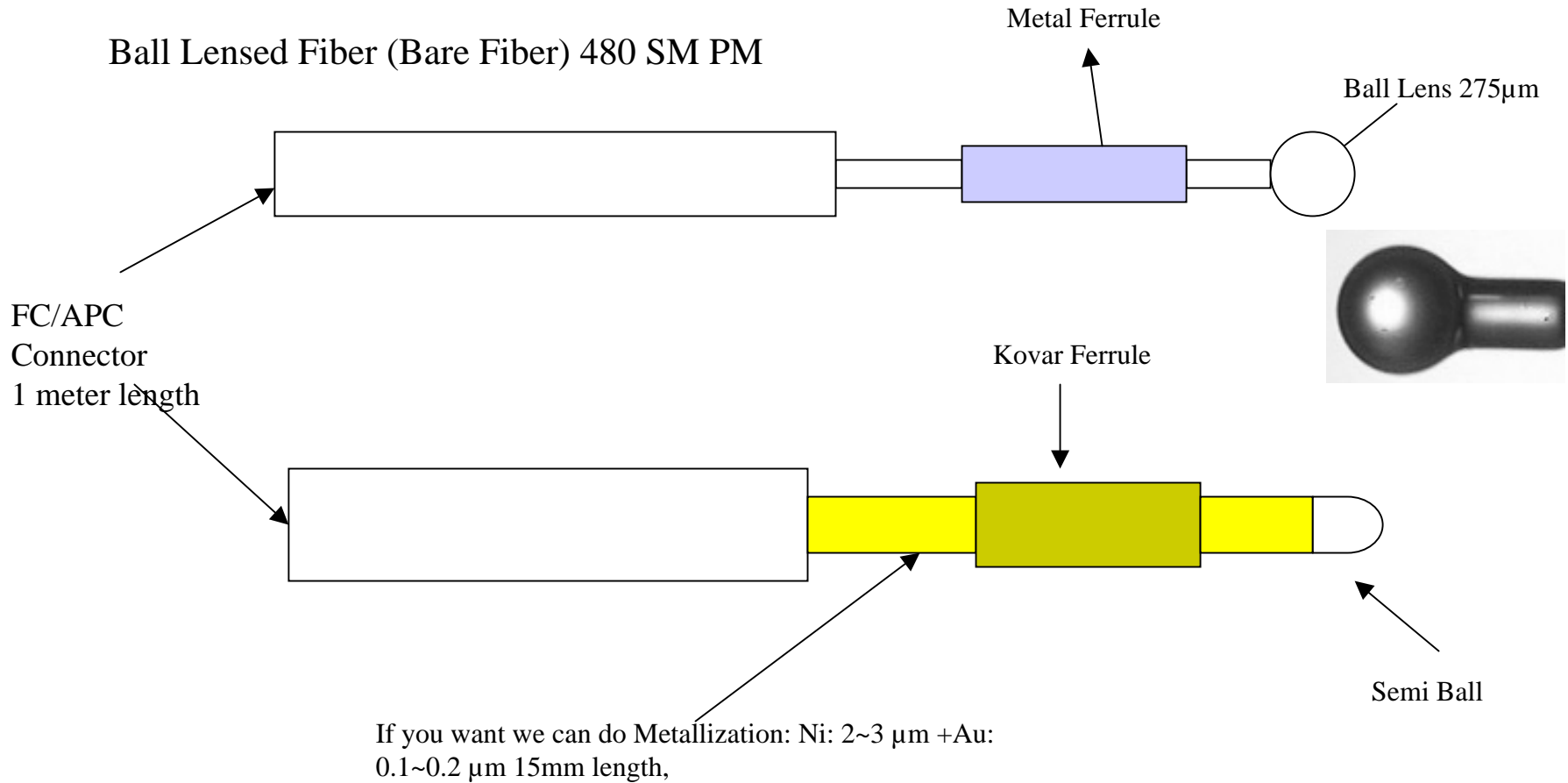
Conical tip (Bare Fiber)



Conical Lens Tip 90 um

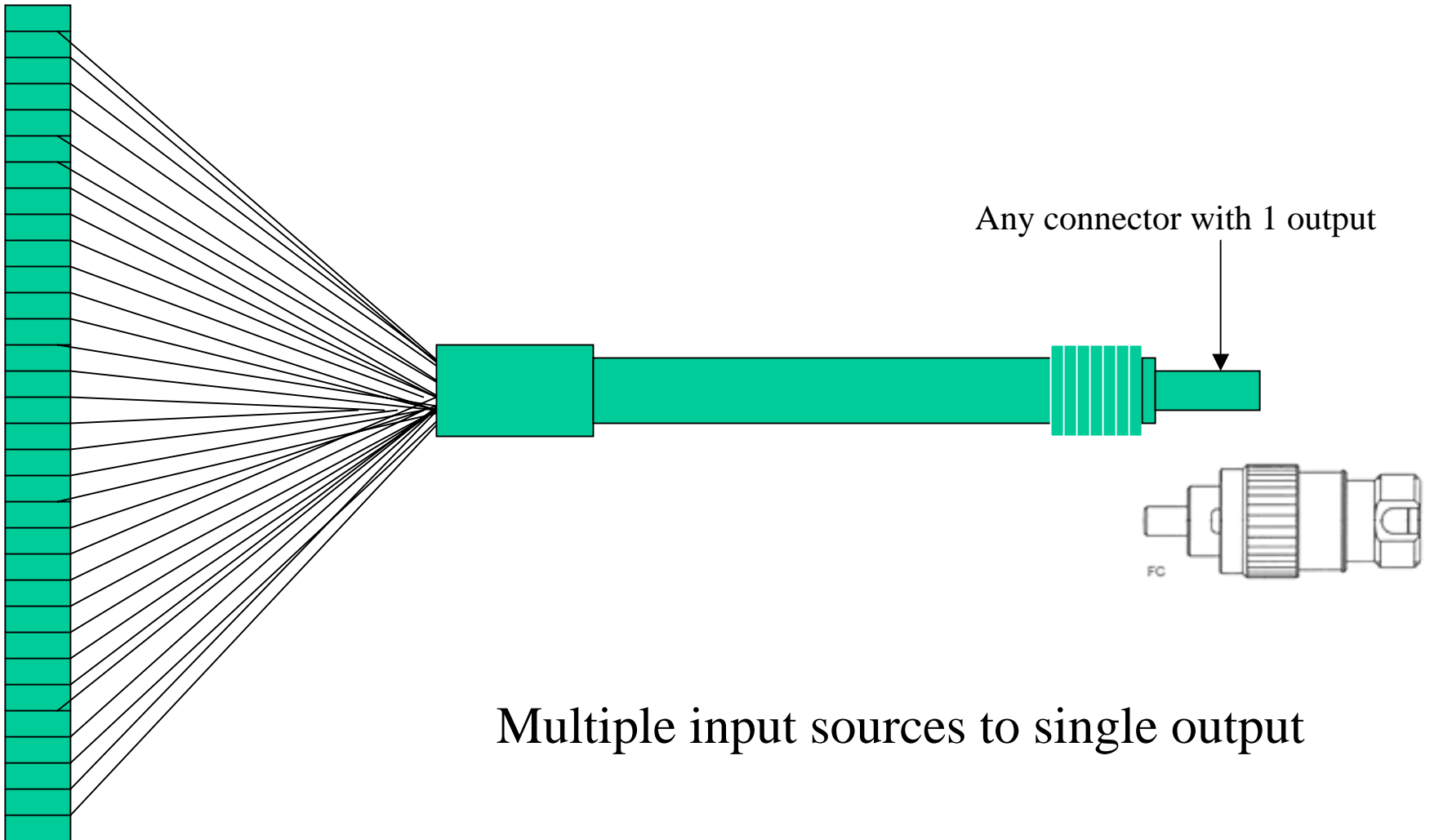
980 μ m Optical Fiber Tapered Conical & Ball



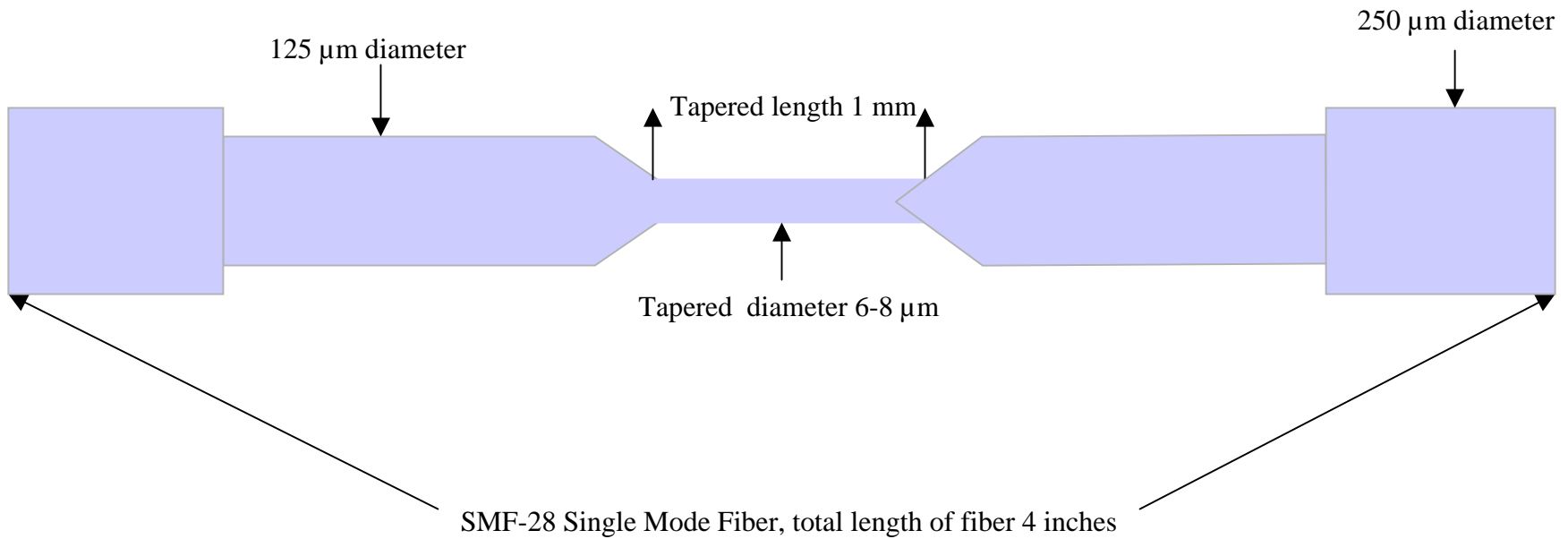


LaseOptics Lensed Fibers with Kovar Ferrule or Metallization

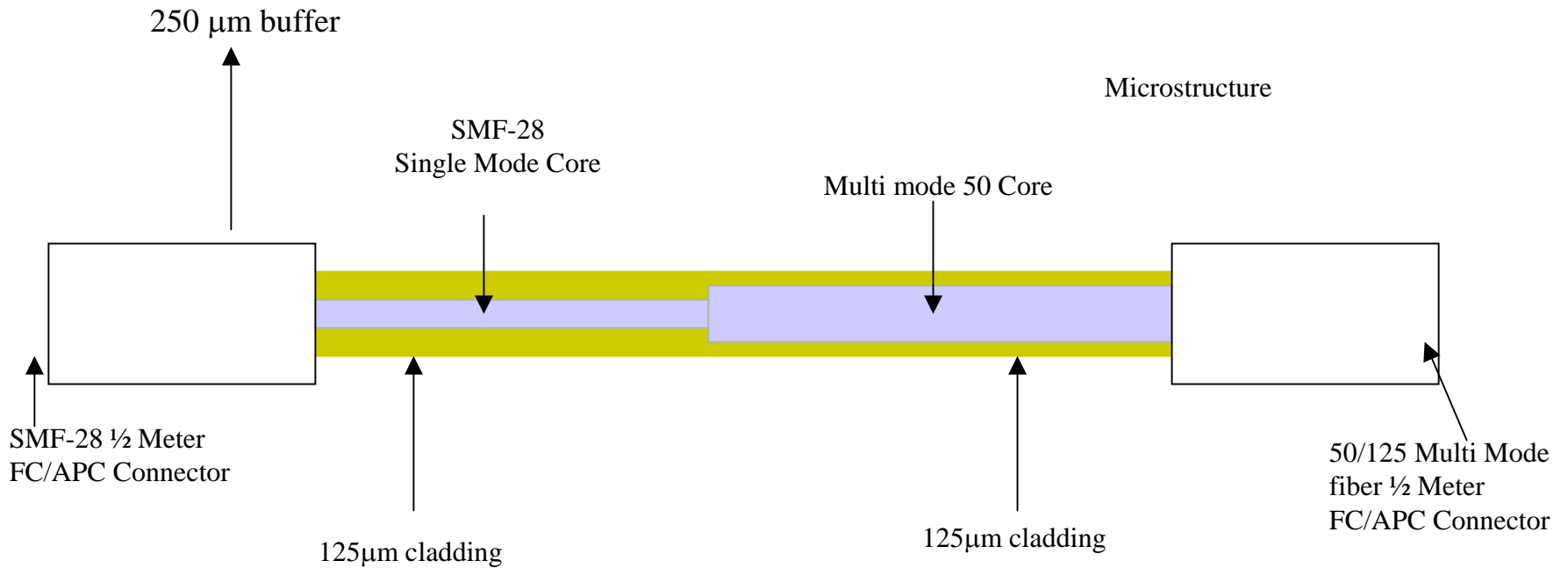
50 cm



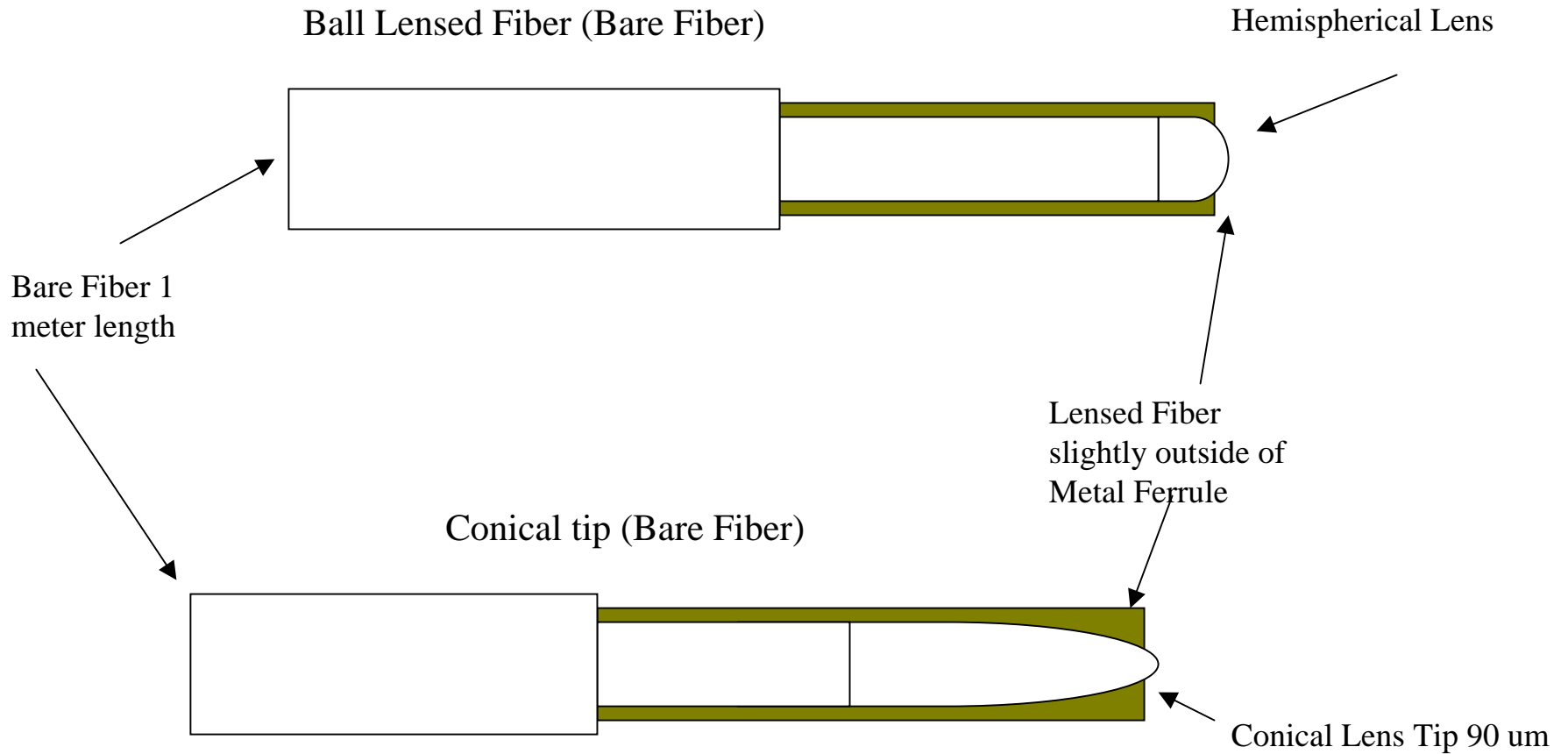
Multiple input sources to single output



LaseOptics Center-Tapered Fiber



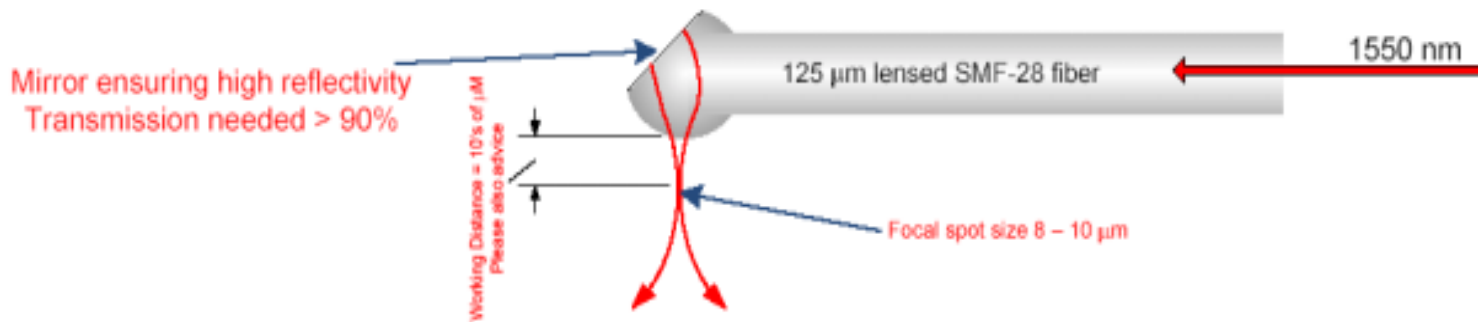
SMF-28 - Single Mode + 50 μm Core Multi mode Tapering

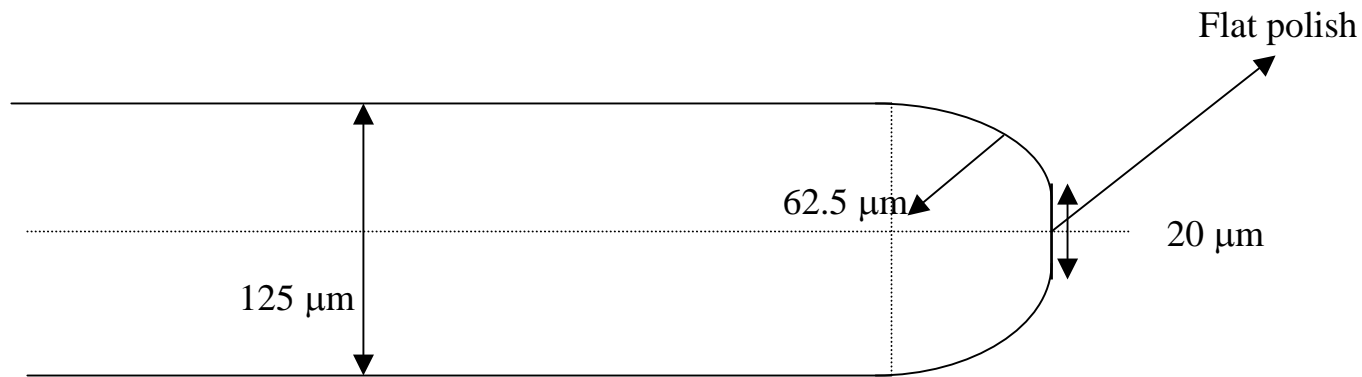


980µm Optical Fiber with Semi Ball & Conical lens slightly out side the Ferrule



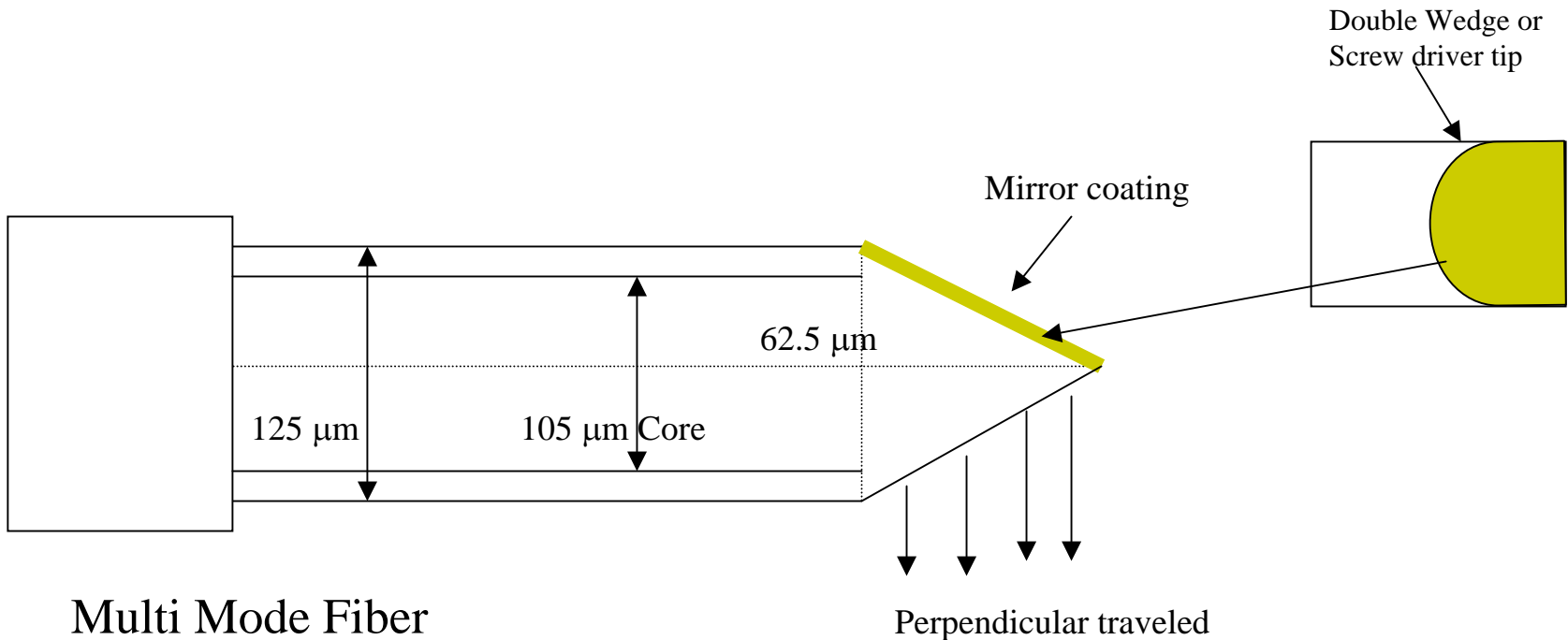
LaseOptics-Lensed Fiber-Perpendicular





Multi Mode Fiber

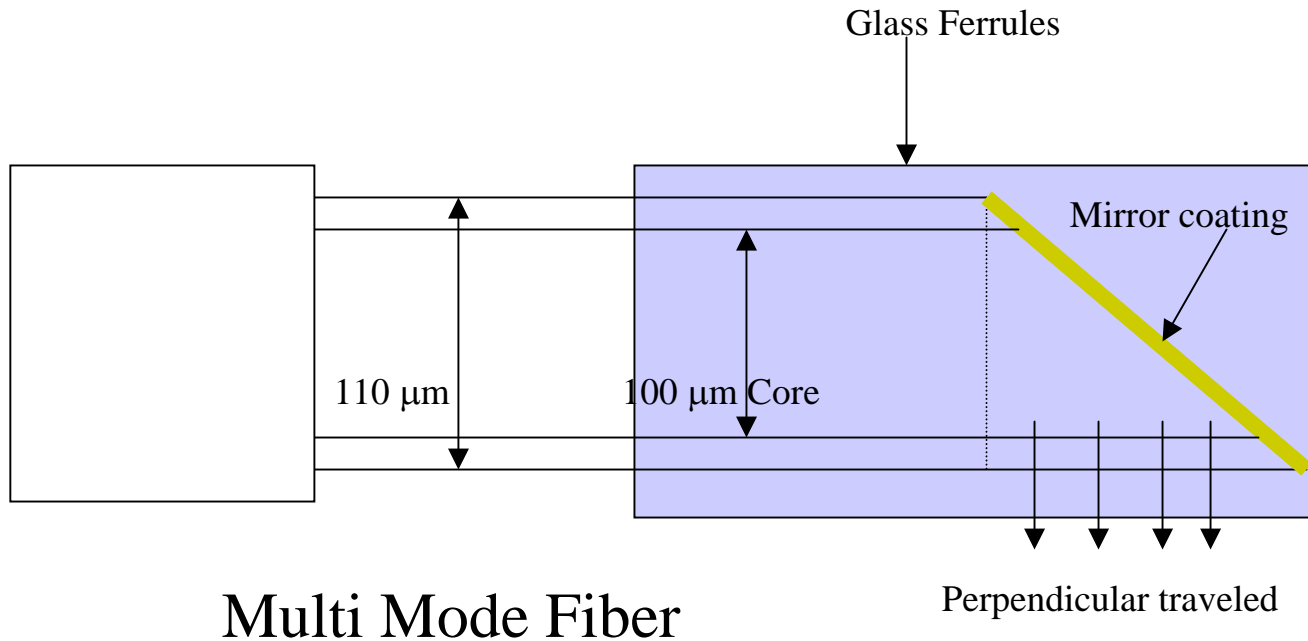
LaseOptics-Curvature with Flat Polish Lensed Fiber



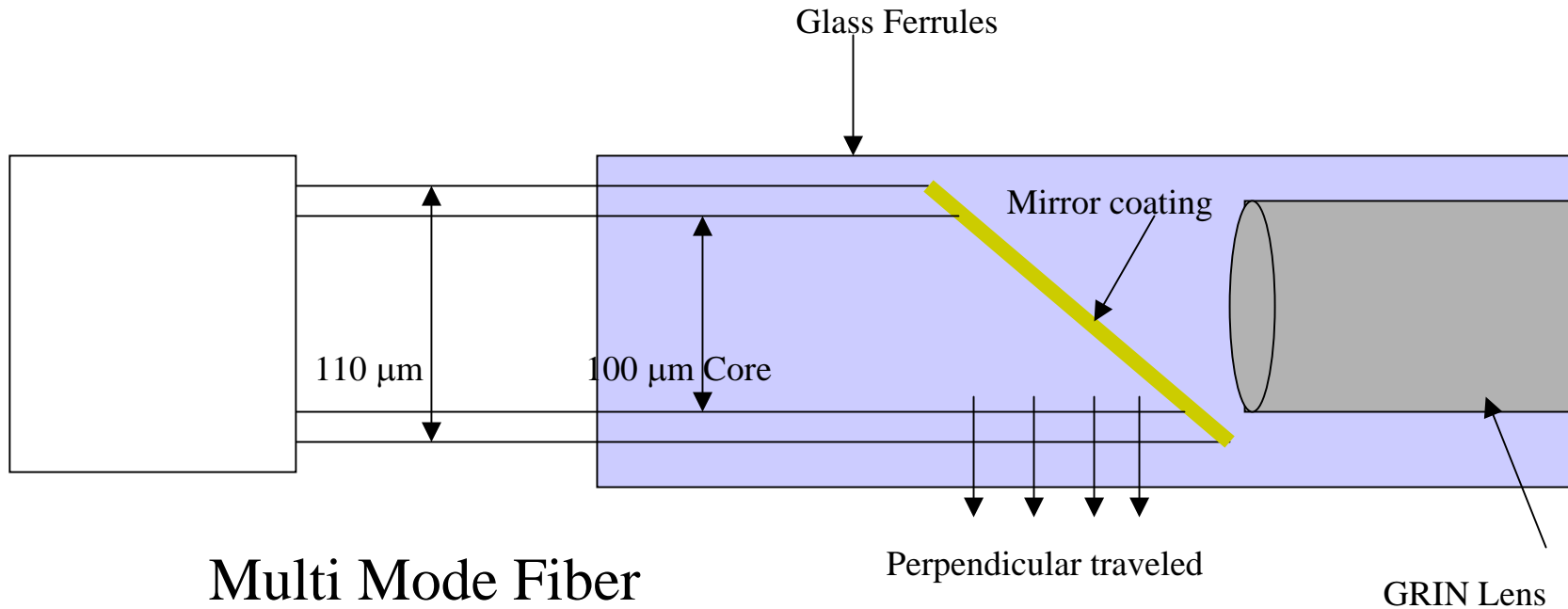
Multi Mode Fiber
Double Wedge Lens
not Conical Tip

LaseOptics-Side firing fiber with 45 degree Angle Mirror Coated

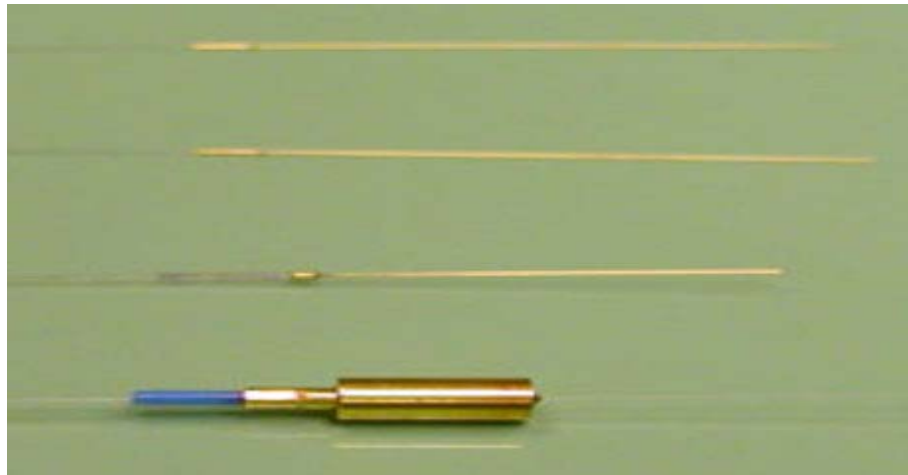
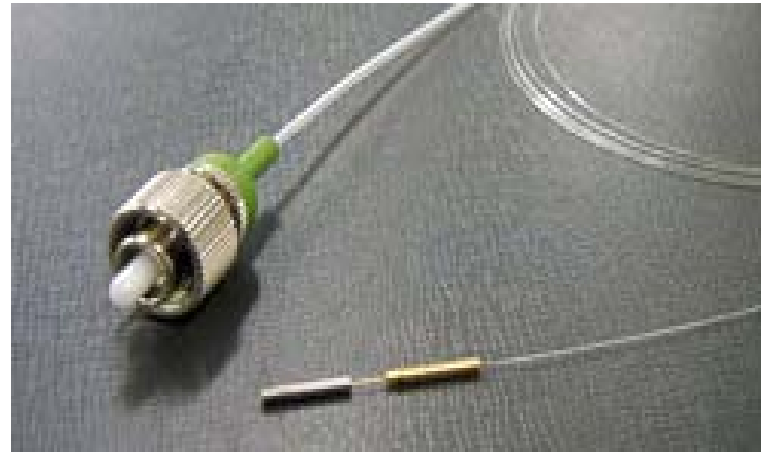
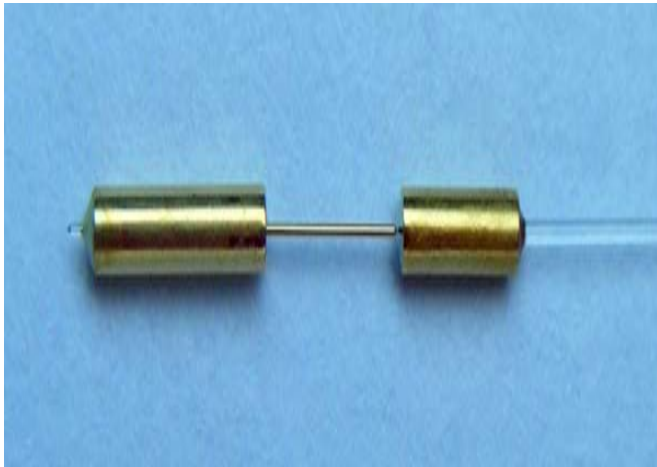
LaseOptics-Side firing fiber with 45 degree Angle Mirror Coated



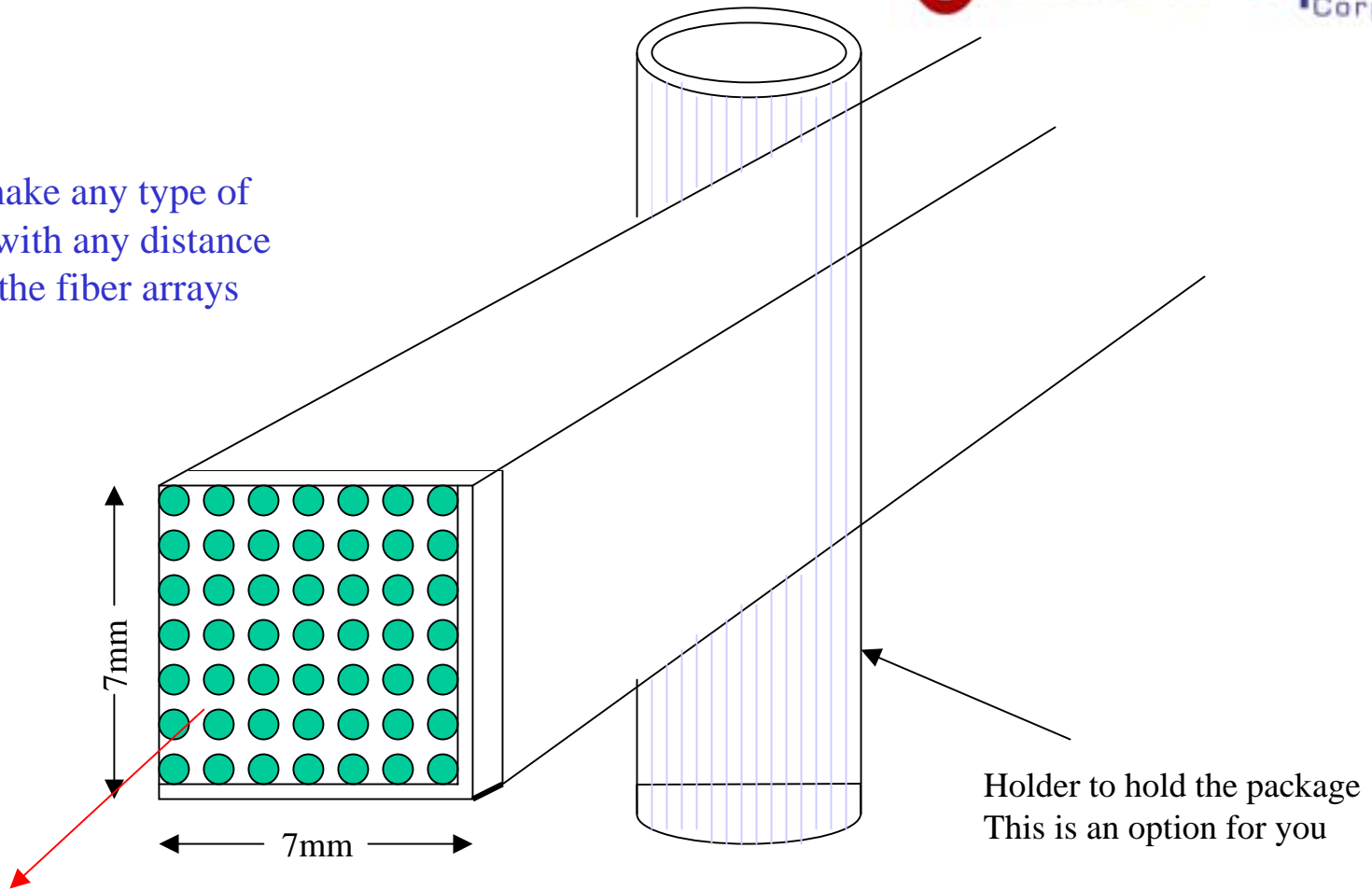
LaseOptics-Side firing fiber with 45 degree Angle Mirror Coated with Grin Lens



LaseOptics-Ferrule with any Lensed Fibers Packaging

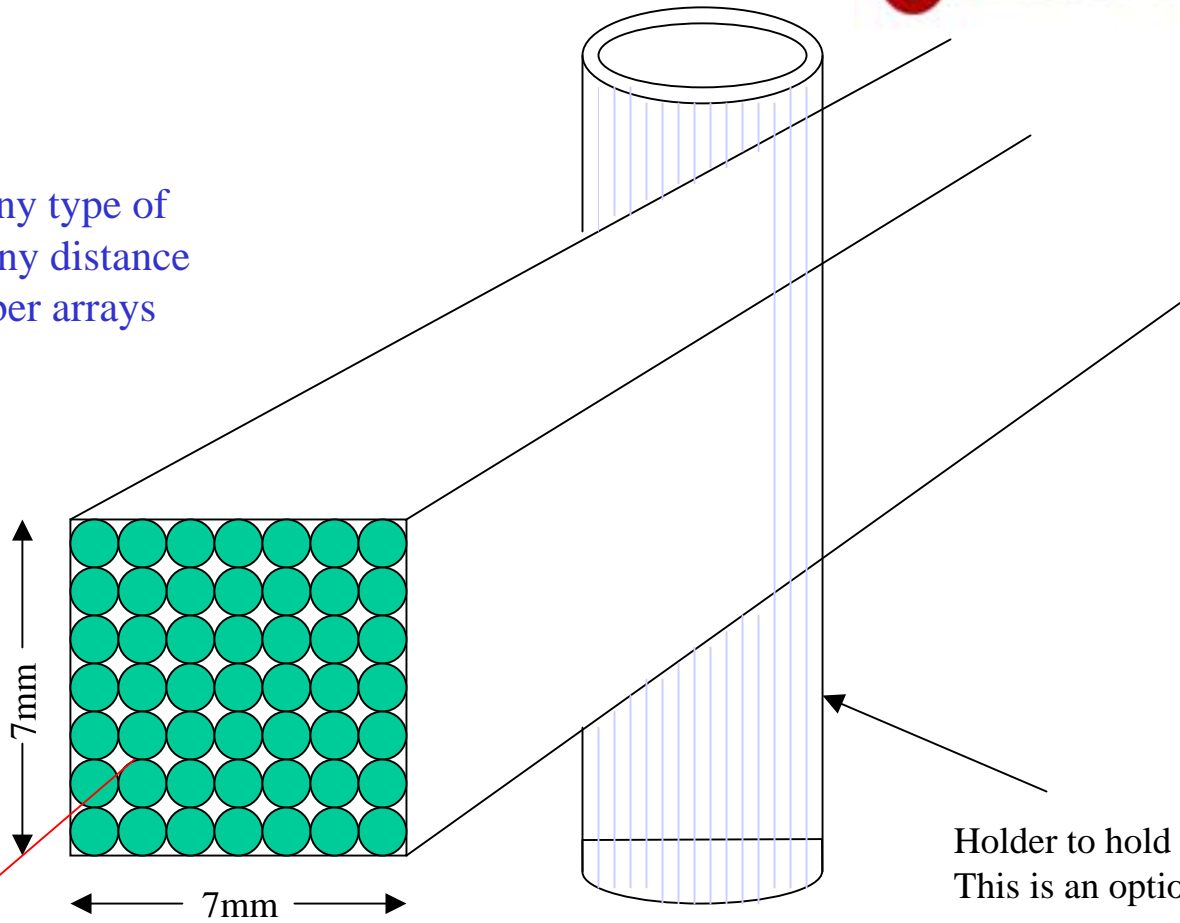


We can make any type of fibers and with any distance between the fiber arrays



100/110/140 Multi Mode Fiber with 49 Ball Lenses in square package

We can make any type of fibers and with any distance between the fiber arrays

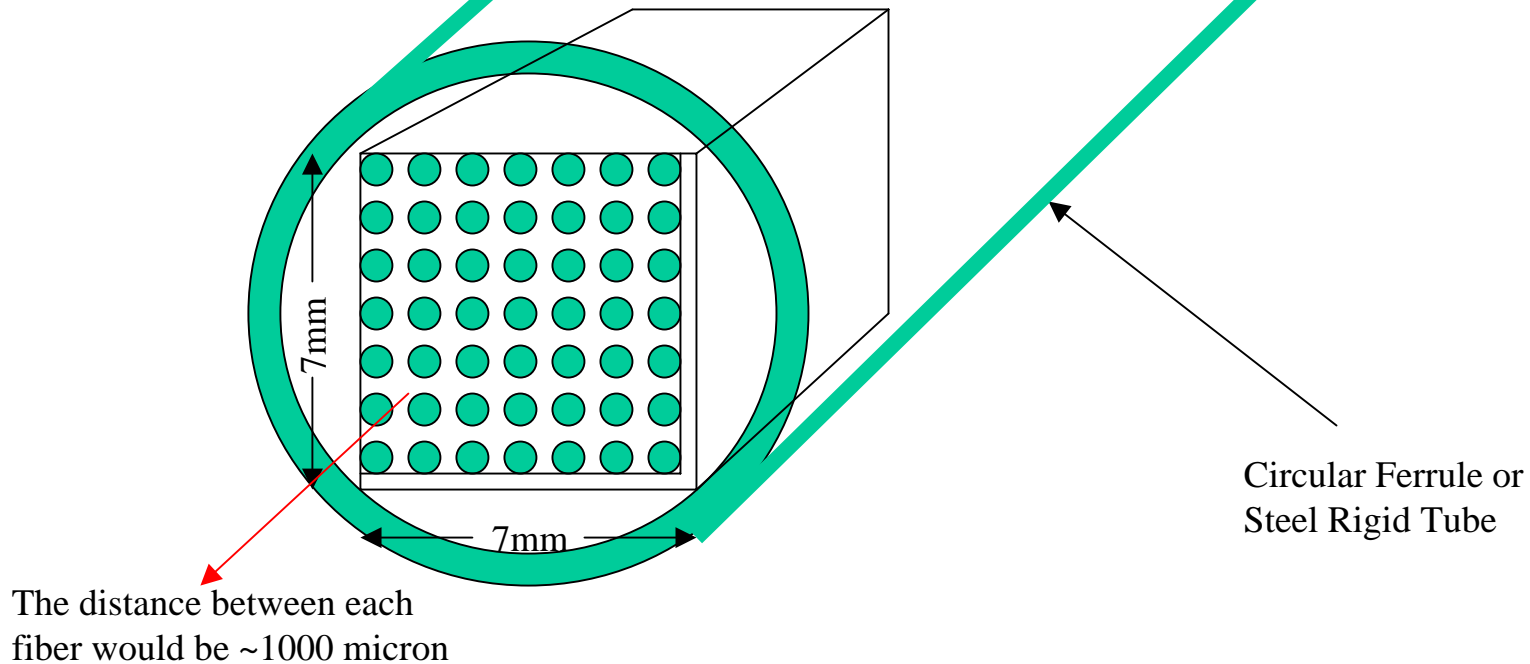


The distance between each fiber would be ~1000 micron

Holder to hold the package
This is an option for you

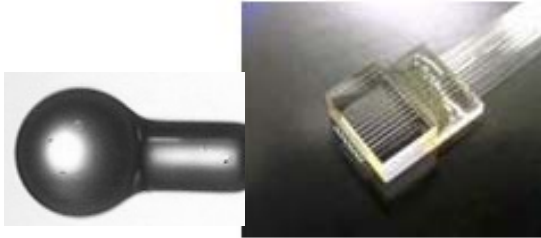
100/110/140 Multi Mode Fiber with 49 Ball Lenses in square package

We can make any type of fibers and with any distance between the fiber arrays



100/110/140 Multi Mode Fiber with 49 Ball Lenses in square package

Ball Lensed Fiber Array 10 Channels



Conical Lensed Fiber Array 10 Channels

Lensed Fiber Arrays on Silicon V-grooves 4, 6, & 10 Channels