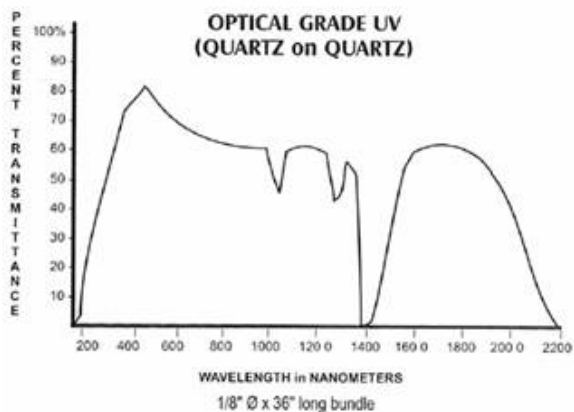


Quartz (Fused Silica) Fiber Optic Light Guides

Custom Fiber Assemblies available in any configuration mechanically possible. Most common configurations shown on specifications page. For designs not shown below feel free to contact our experienced application engineers at 1-800-83-FIBER (800-833-4237)

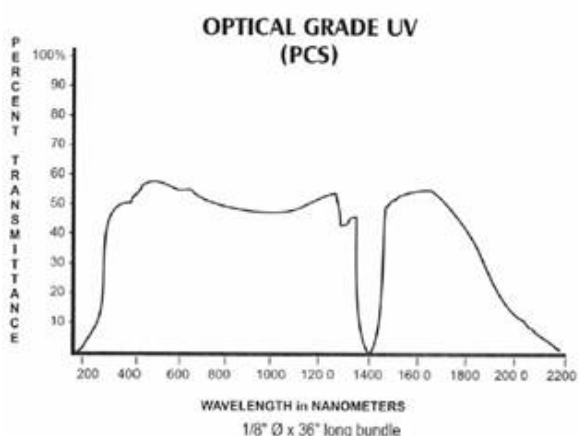
Optical Grade UV Quartz (Silica core/Silica clad)

Dolan-Jenner's quartz on quartz optical grade UV quartz transmits from 200-2100nm (.20-2.1 μ). This high grade .004 diameter fiber is able to withstand temperatures ranging from -40°F to 2000°F (-40°C to 1095°C). This special quartz fiber consists of both a fused silica core and cladding material allowing it to be practically free of secondary fluorescence at 254nm and exhibit no discoloration under X-Ray, gamma or short UV radiation.



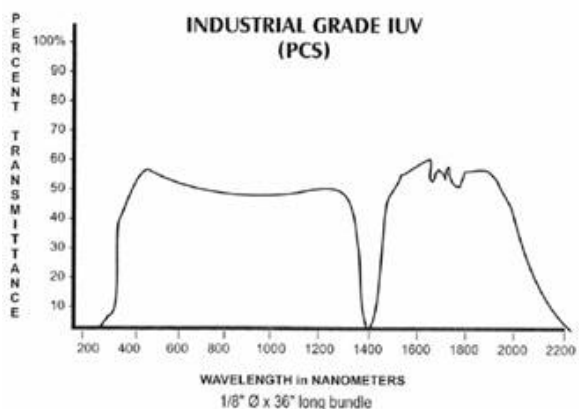
Optical Grade UV Quartz (Silica core/PCS clad)

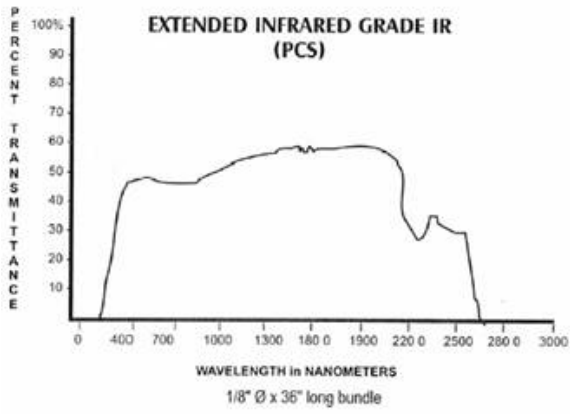
Dolan-Jenner's PCS optical grade UV quartz transmits from 220-2200nm (.22-2.2 μ). This high grade .010 diameter fiber is able to withstand temperatures ranging from -40°F to 372°F (-40°C to 175°C). This special quartz fiber consists of a fused silica core and a siloxane polymer cladding material allowing it to be practically free of secondary fluorescence at 254nm and exhibit no discoloration under X-Ray, gamma or short UV radiation.



Industrial Grade IUUV (Silica core/PCS clad)

Dolan-Jenner's PCS Industrial grade IUUV quartz transmits from 260-2200nm (.26-2.2 μ). This high grade .010 diameter fiber is able to withstand temperatures ranging from -40°F to 372°F (-40°C to 175°C). This special quartz fiber consists of a fused silica core and a siloxane polymer cladding material allowing it to show some fluorescence at 254 nm and will darken in gamma or X-ray environments.





Extended Infrared Grade IR (Silica core/PCS clad)

Dolan-Jenner's PCS Extended Infrared grade IR quartz transmits from 300-2700nm (.30-2.7 μ). This high grade .010 diameter fiber is able to withstand temperatures ranging from -40°F to 372°F (-40°C to 175°C). This special quartz fiber consists of a fused silica core and a siloxane polymer cladding material allowing it to be free of the water absorption dip at 1400nm.