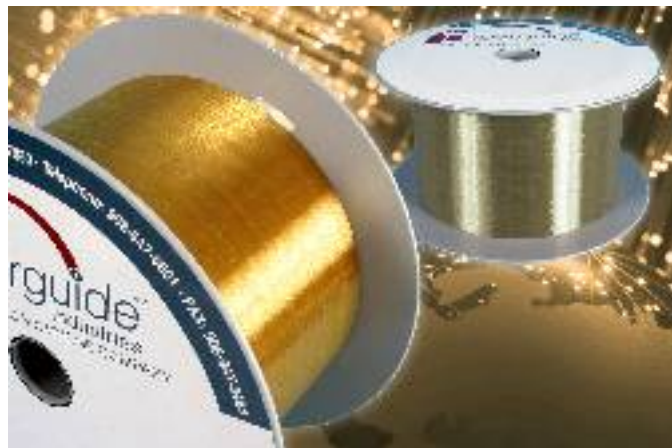


Gold and Aluminum Coated Fibers Withstand High Temperatures



Delivering reliable operation in extreme conditions, Fiberguide Industries provides its metal jacket series of gold and aluminum coated optical fibers. These fibers have proven effective in a number of scientific applications including Raman spectroscopy for high temperature analytical measurements.

Originally developed for ultra high reliability telecommunications, the metal coating preserves the fiber's mechanical strength and provides resistance against static fatigue caused by long term tensile loading. Gold and aluminum coated fibers also can withstand a wide range of temperatures, with aluminum coated fibers rated from -269°C to +400°C and gold rated from -269°C to 700°C.

Gold or aluminum coating can be applied on continuous lengths to a wide variety of multimode, step index, graded index, and single mode fibers. Core to clad ratios of 1:1, 1:2, and 1:4 are available with numerical apertures of 0.12 and 0.26. Non-standard sizes can also be manufactured by request.

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