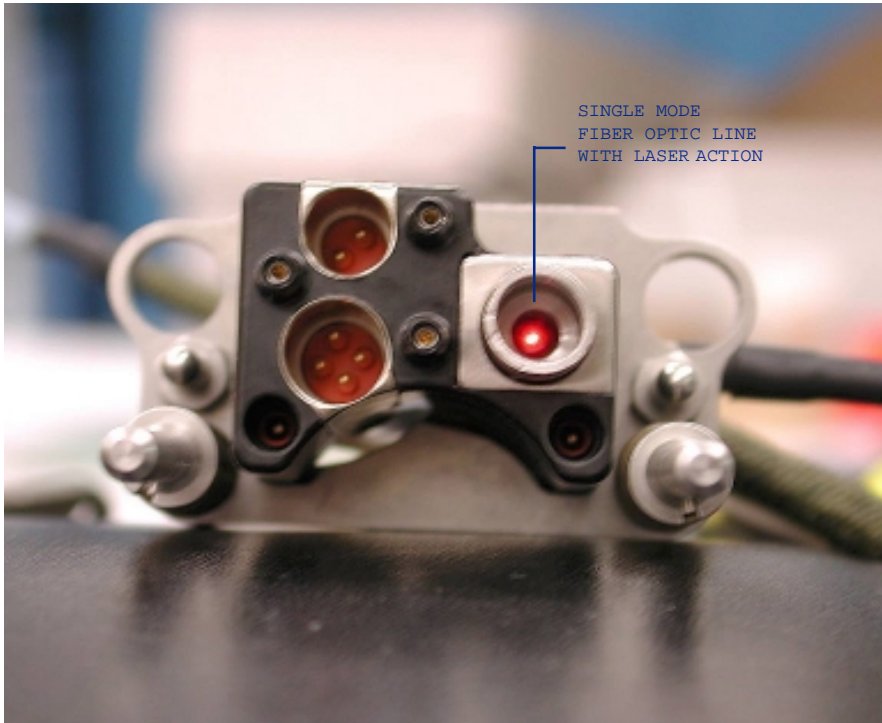


Connector Products Division

Los Angeles, California

High Voltage Connectors and Cable Assemblies

Hybrid High Voltage Fiber Optic Assembly



Reynolds Industries is known worldwide for continuously improving the performance level of high voltage connectors for more than 50 years. Reynolds leads the connector industry in the design and manufacture of connectors capable of operating reliably at altitudes up to 70,000 feet while exposed to temperatures as low as -55°C and up to +125°C. This high voltage expertise has been combined with our fiber optic capability to provide innovative, custom designed, fiber optic/high voltage/hybrid connectors.

Shown is a blindmate connector used to connect single mode optical fiber, signal and high voltage lines to an expendable decoy. Manufacture of these hybrid assemblies and the single mode termini using active alignment, is performed in our dedicated state-of-the-art “white room.”

A 50 KVDC, low corona, high voltage cable assembly designed by Reynolds for an electron gun.

The assembly is tested at 50 KVDC and cannot have particle discharge spikes exceeding 240 pico coulombs in a 1 minute time frame.

Reynolds Connector Products Division excels in the design and testing of connectors and cable assemblies having a low corona requirement. Testing is performed in Reynolds Particle Discharge Test Laboratory with the most advanced equipment and corona detection techniques in the connector industry.

50 KVDC Assembly with Low Corona Inception

