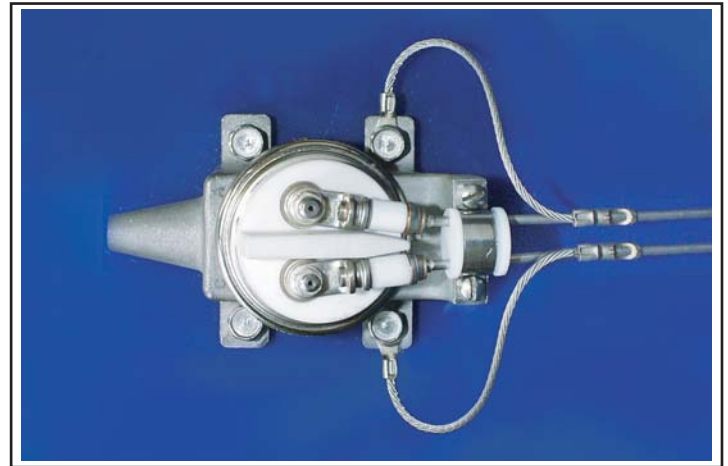


# HIGH PERFORMANCE ENGINE CABLES

## KEY FEATURES

- **Higher Reliability**
- **Reduced Maintenance Costs**
- **Lower Cable Harness Cost**
- **Lighter Weight than Organic Cables**



## Proven Technology

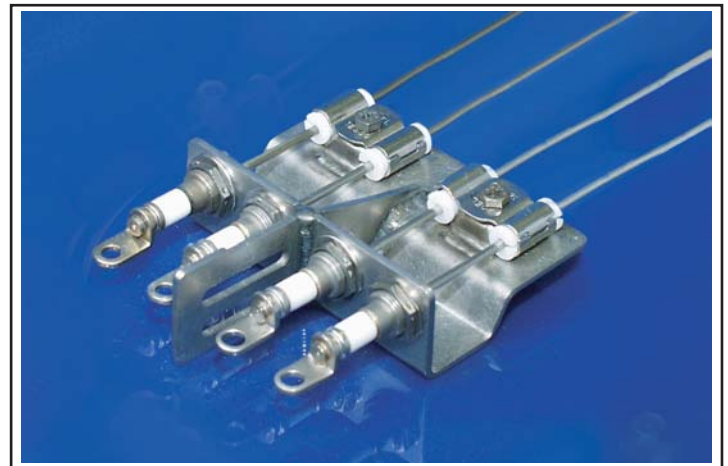
Meggitt Safety Systems, Inc. (MSSI) has been providing state of the art coaxial and multi-conductor cable assemblies for military and commercial applications since 1957. These assemblies have set the industry standard for high performance and reliability in all types of hostile environments. The cables can be constructed in a number of corrosion resistant solid alloy sheaths including all 300 series stainless steels, Incoloy 825, Inconel 625, and Monel. The proprietary dielectric is a material which will not react with water, oxygen, or other fluids and gasses to become a conductive medium.

## It Never Needs Replacing

Unlike organic cables, this unique cable is not subject to the thermal and radiation embrittlement of the dielectric material or the outer jacket. Additionally the outer jacket makes the cable impervious to the scraping and chaffing which contribute to the low life of organic cables. All-welded construction between cable and connector adds to the reliability and long life of the cable assembly.

## Proven Performance

These cable assemblies are designed to provide continuous power and control signals throughout the most severe environmental conditions. The cable has been tested to show survival and performance while subjected to temperatures above 2000°F for 3 hours. In addition, it survived 45g's RMS at a temperature of 540°F.

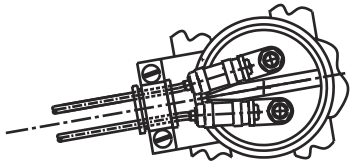
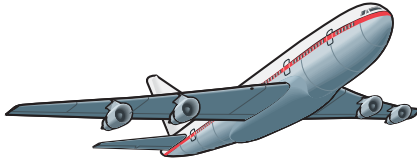


## Available In All Sizes

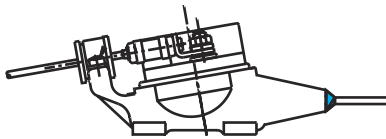
Other cable assemblies using the same design technology are available in multi-conductor configurations (up to 40) with hermetically sealed connectors. Cable applications include instrumentation and control, power, and thermocouple extensions.

- **Fire Detection**
- **Ignition Wiring**
- **EGT Probes**
- **Vibration Turbine Clearance & Performance Monitoring**

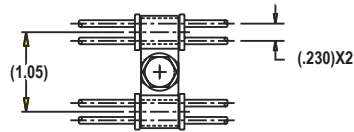
## Typical Installations



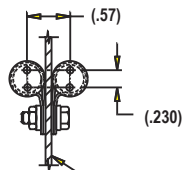
DETECTOR TERMINATION



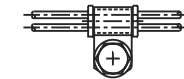
DETECTOR TERMINATION



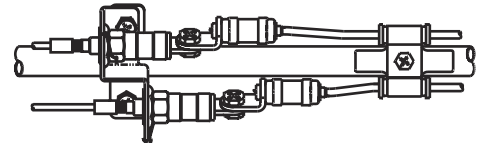
FOUR CABLE CLAMPING



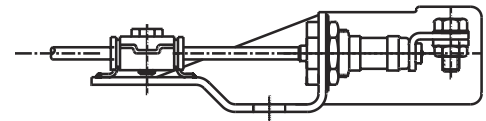
OPTIONAL  
FOUR CABLE CLAMPING



TWO CABLE CLAMPING



SENSING ELEMENT TERMINATION



BULKHEAD MOUNTING

CABLE TYPE	TEMPERATURE LIMITATION	CHAFING and SCRAPING	CABLE LIFE
Meggitt Cable	2000°F	No effect- Stainless Steel/Inconel 625 Jacket	For life of aircraft
Organic Cable	600°F	Heavy wear of dielectric and outer insulation, limit life of cable	Roughly 12 months

