

## Teledyne Interconnect Solutions

# Oil & Gas, Mining, and Geophysical Cables

Over 65 years of experience in engineering high-performance custom cables and connectors for demanding environments, be it land, water, air, or space; and where reliability, durability, and compliance are critical.

### Engineering

Product design, 3D modeling, predictive mold-flow software, 3D printing, flex endurance, and mechanical testing.

### Custom Cable

Our vertically integrated facility enables Teledyne Interconnect Solutions (TIS) to meet the goals of the project without minimums and long lead times. If one of our industry-driven stock cables does not meet your application, TIS can engineer and manufacture the cable used in the finished assembly, including retractile cords and Hazardous Location Cables.

### Termination & Assembly

TIS can complete the termination and assembly to any connector via crimp, solder, IDC, or weld.

- Round circular MIL (Stainless Steel, brass, aluminum, anodized, or plastic)
- Rectangular
- Coaxial
- Copper-fiber
- Electro-mechanical
- D-Sub, Firewire, RJ-45, or USB

### C1D2 (Class 1, Division 2) Cables for use in hazardous locations

TIS manufactures cable that is CSA and ETL agency approved, utilizing custom engineered insulation and jacket material that meets the requirements of C1D2 without the need to install in conduit.



## Certifications & Standards:



### Telethane®

This insulating jacket material is targeted for applications where heat and oil resistance exceeds traditionally processed thermoplastics. Rubber-like flexibility at temperatures down to -40°C and heat-stabilized, rated at 1000 hours at 175°C, this material replaces traditional cross-linked rubber at a significantly lower cost.

### Solid Molded Cables

Teledyne Interconnect Solutions can solid mold (injection or pour mold) any connector type. Full line of mold tool designs:

- Round circular MIL molds from shell size 8-36 (linear and right angle)
- Breakout configurations from two to six legs
- Cable diameters from .10" to 2"
- Various electronic mold sets such as RJ-45, Firewire, USB, and coaxial
- Solid strain relief and flexible bend relief

Should your application require a custom design, our in-house mold tool design team can engineer a solution for your application.

### Our business focus for Oil & Gas products includes:

- Instrumentation and data acquisition systems
- Completion service equipment
- Process and pipeline service equipment
- Pumping service equipment
- Land Seismic acquisition
- Mining



Interconnect Solutions  
Teledyne Cable Solutions

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