

Amphenol[®] EC Systems

Amphenol EC Systems is THE leading provider of Ruggedized Cable Assemblies, Umbilicals, & Customized Cable Solutions for harsh environments

Expertise

We leverage 30 years of unparalleled experience, depth of product offering, and process expertise.

Quality

With premium components and proven processes, Amphenol delivers market-leading quality.

Commitment

We are committed to being *the* leader of ruggedized cable solutions for the harshest environments.

Our Focus:

Ruggedized cable assemblies for extreme conditions in the oil & gas, ground support and shore-to-ship industries.

Special Processes:

- High quality, low to high volume certified cable assembly and value-add facility.
- High Potential (HIPOT), continuity, and insulation testing of assemblies.
- Proprietary potting methods for enhanced reliability.



ISO certified Quality Management System



Ruggedized Cable Assemblies



Umbilicals



Customized Value-Add



The most reliable, durable, cost-effective cable solutions on the market. Period.

17707 Valley View Ave. Cerritos, CA 90703 P: 714.249.7700 Toll Free: 800.635.3866

www.amphenol-ecs.com

info@amphenol-ecs.com

The Amphenol[®] Advantage

ECSystems

For electrical equipment fielded in harsh and/or dynamic environments, a robust and reliable umbilical is necessary to provide electrical and hydraulic power and controls from the power source to the equipment.

Inside Our Assemblies:

Connectors

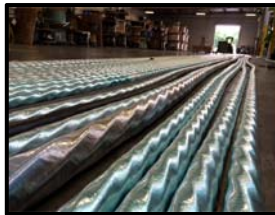
- Customized to application needs
- Reduces installation and maintenance time
- Hazardous location connectors available
- Terminated & tested by skilled technicians

Amphenol[®]



Cable

- Certified cables for high-flex, VFD, instrumentation, and control
- Industry-leading temperature range
- Superior oil, chemicals, & mud resistance
- Superior abrasion, crush, & impact resistance
- Bundled with calculated spiral pitch to neutralize cyclical stresses during dynamic operation & reduce noise in VFD applications
- Flame retardant to customer specifications



Flanges

- Engineered attachment to cover, fully supports cable bundle
- Can be custom built to meet specific requirements
- Nickel-plated or stainless steel
- Internal expansion ensures strongest, most compact, & lightest assembly possible
- Eliminates tensile stresses on cables



Polymer Potting

- Assemblies secured at flange ends with proprietary adhesive to support cable weight
- Dynamic assemblies can be fully potted with pliable polyurethane to eliminate conductor failures caused by constant flexing
- Thermally conductive material critical for heat transfer in power loops



Covers

- Support and protect internal bundle from abrasion, mechanical damage, & harsh environmental elements
- Standard or Custom Specifications
- Custom lay lines applied straight as visual indicator that installed assemblies have not been twisted
- Private labeling capabilities

