Amphenol Industrial Products Group offers customers compliance with up to 100% of US made content for Rail Mass Transit Programs requiring it.

As stipulated by the FTA “with the requirements of 49 U.S.C 5323(j)(1) and the applicable regulations in section 49 CFR part 661, for a manufactured product to be considered produced in the United States: (1) All of the manufacturing processes for the product must take place in the United States; and (2) All of the components of the product must be of U.S. origin. A component is considered of U.S. origin if it is manufactured in the United States, regardless of the origin of its subcomponents.”

Company Features:

- Centrally located facility outside Chicago, Illinois
- A wide array of Interconnect and value-added capabilities
- Manufacturing Certifications upon request
- Experienced staff of engineers
- Engineering Test Labs
- A long standing heritage of providing high quality products for extreme environments
Think American Made with Amphenol

Value Add Assemblies

Overmolding
Amphenol excels in overmolding cable technology, perfect for ruggedized power applications. Custom overmold solutions utilize either low or high pressure manufacturing methods, and include various environmental materials. Overmolding techniques can include straight and right angle strain relief in a variety of elastomeric materials.

Mechanical
Amphenol produces a wide array of backshells for mechanical terminations including straight or right angle, EMI shielding, glands, and specialty terminations such as plastic corrugated and metal core conduit. These terminations allow for ease of repair in the field while maintaining the desired level of environmental protection.

Train-line Series

RPC Series
Amphenol continues to manufacture the traditional Pyle-National Head-End Power connectors. These 400amp - 600volt, integrally molded connectors are designed to meet Amtrak and APTA specifications. The receptacle is fitted with a special ring to ensure the elliptical shape is held during mating and permits ease of plug insertion. The plug design offers contacts that self-align which results in lower insertion and extraction forces.

27 Pole Series
These Pyle-National products are designed for Multiple Unit and Communication systems for car to car and locomotive to car applications. Amphenol offers the standard version of both as well as the Amtrak special version which is a modification to the standard MU receptacles by way of unique insert rotations. All special keying in the receptacle is done to prevent inter-mating of any non-desired 27 pole jumper. Standard wire from 10awg to 14awg and twisted-shielded pairs can be incorporated into the design of any plug jumper or receptacle.

Junction Boxes

Amphenol is an experienced integrator of enclosures designed to incorporate all the electrical components, instruments and controls while offering excellent protection from environmental factors. With our wide breadth of technology we can offer the appropriate interconnect and cable solutions for all terminations both inside and outside of the junction box.

Prototyping & MRO Projects

• Potting and Overmolding Processes
• Customized CNC machined backshells
• Small Volume, high mix cable assemblies
• Repair evaluation for Amphenol assemblies
• Full Electrical Testing
• High quality, quick turnaround

For further information on your individual application requirements, contact: Amphenol Corporation

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