



### Amphe-HST

#### BACKGROUND

As a world technology leader in the manufacture and design of interconnects and cable assemblies, Amphenol Industrial Operations realizes there is a need for quality heat shrinkable materials.

#### PROBLEM

Heat shrinkable tubing is required to achieve more reliable, rugged cabling systems. It is widely used to insulate wires, providing abrasion resistance and environmental protection for stranded and solid wire conductors. Other applications that heat shrinkable tubing is used for are connections, joints and terminals in electrical engineering, to repair the insulation on wires or to bundle them together. Wire protection of small parts from minor abrasion, and to create cable entry seals, and offering environmental sealing protection are advantages as well.

#### AIPG SOLUTION

Amphe-HST is made of polyolefin, fluoro polymers, and elastomers enhanced by radiation crosslinking and heat-shrinkability. When heated during installation, our tubing shrinks to conform to virtually any shape. This provides dependable insulation, mechanical protection, and strain relief, as well as aesthetic appeal.

Amphe-HST includes Thin Wall Tubing, High Temperature Products, Dual Wall Tubing, Medium and Heavy Wall Tubing, Medium Voltage Tubing and Tape. Amphe-HST complies with EU RoHS environmental standards, UL/CSA, IEC, ASTM, MIL, and ISO specifications.

Single wall tubing is available in thin-wall, medium-wall, and thick-wall versions. With dual wall tubing, an inner wall — either an encapsulant or an adhesive — melts and flows during installation heating, to protect against environmental damage. Encapsulants protect connections and components from spatter and corrosion. Adhesives go a step further, sealing to plastic, metal, rubber, or other substrates.

You can choose from tubing that is highly flexible or semi-rigid, designed for operation in high- or low temperature environments, halogen-free and flame-retardant to meet a range of industry standards. Available in many sizes, constructions, lengths, and colors to meet commercial, military or medical specifications. Our tubing can also be customized for special applications.

Installation is fast and easy with handheld heating tools or bench-mounted heaters. A range of automatic and semi-automatic installation equipment is available for high-volume applications.

