INTRODUCING

VOLINSU TUBING: ELECTRIC VEHICLE SINGLE WALL (EVSW) HEAT SHRINK

- Ideal for Hybrid and Electric Vehicle Applications
- Sealing and protection in medium-high voltage circuits

The VOLINSU Tubing EVSW heat shrink has been designed from a flame retardant material with excellent electrical properties, and excellent insulation combined with the benefits of a heat shrink tube to allow use over both simple and intricate shapes. Based on other automotive applications the materials selected have proven use in many applications, creating a strong performance base to create a dedicated solution for the electric vehicle market.

EVSW tubing can be installed using conventional application equipment such as a hot air gun, a conveyor oven or air circulation oven. The product has a low shrink temperature so excessive heating is not required as it can cause damage to the product. Finally the EVSW tubing can be used in applications up to 135°C (275°F), with a short time excursion of up to 200°C (392°F).

APPLICATIONS

- Automotive
- Industrial & Commercial Transportation
- Moisture present environments
- Cable termination insulation
- Wire grouping and jacketing
- Wire harnessing
- Wire protection

CHEMICAL

- Flame Retardant
- Fluid Resistant

MECHANICAL

- **Abrasion resistance:** Mechanically tough to provide excellent protection against wear and tear, friction and rubbin

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KEY BENEFITS

- Electric Vehicle associated orange color to match the RAL2003 (nominal) standard for high voltage circuits.
- Easy identification of higher voltage circuits.
- Does not propagate burning to support vehicle operators and passengers safety.
- Can fit both components and cables.
- Easy to install while maintaining cable flexibility.
- Achieve lightweight requirements.
- Deliver optimum thermal stability, electrical resistivity and high voltage performance

STANDARDS AND SPECIFICATIONS

- Does not propagate burning as specified in UL224 conducted internally at TE

PRODUCT PERFORMANCE

- **High level safety**
  - High volume resistivity.
  - Testing conducted in accordance to ASTM D2671.
- **Improved thermal and copper stability**
  - Excellent color stability
  - No cracking
  - Competitor tested EV heat shrink, discolors and cracks.
- **Better softness and flexibility**