## INTRODUCING

# VOLINSU TUBING: ELECTRIC VEHICLE FIXTURE (EVFX) HEAT SHRINK

- **Secures and fixes corrugated tubes over cables**
- **Improved installation efficiency over the tape process**
- **Provides excellent mechanical protection**



VOLINSU Tubing EVFX heat shrink has been designed as a more robust alternative to electrical tape for securing corrugated tubes over cables in high voltage EV systems. It is based on a halogen-free material with excellent mechanical properties. Compared to current tape-based solutions, EVFX provides better mechanical protection and better long-term performance in challenging environments, while still offering a lightweight design. Heat shrink tubing also enables a significant reduction in installation time and cost compared to tape wrapping.

EVFX tubing can be installed using conventional application equipment such as a hot air gun or air circulation oven. has a low shrink temperature so excessive heating is not required. EVFX tubing can be used in applications up to 125°C (257°F).

## APPLICATIONS

- Electric & hybrid automotive vehicle
- Commercial and industrial transportation
- Mechanical fixing of corrugated tube over cable

## THERMAL

- Continuous operating temperature: –40°C to 125°C (-40°F to 257°F)

## CHEMICAL

- Halogen free
- Fluid resistant
- Minimally flame retarded

## MATERIALS

- Shrink ratio: 3:1
- Modified polyolefin and crosslinked by irradiation

## STANDARDS AND SPECIFICATIONS

- ASTM D2671
- FMVSS302
- Raychem: 108-120077

## PRODUCT PERFORMANCE

- Mechanically tough to robustly secure corrugated tube over cable in high heat environments
- Flame retardant: does not propagate burning as specified in FMVSS302 standard (testing conducted internally at TE)
- Ease of use: large shrink ratio and good flexibility enable quicker assembly
- Superior moisture resistance: a common failure for tape-based alternatives

## KEY BENEFITS

- Electric vehicle associated with orange color to match the RAL2003 (nominal) standard for high voltage circuits.
- Ability to shrink over corrugated tube and cable for mechanical fixing
- Superior installation efficiency compared to tape application.

## LEARN MORE

- Landing Page
- Brochure

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