

VOLINSU TUBING: ELECTRIC VEHICLE (EV) FIXTURE HEAT SHRINK



PRODUCT BENEFITS

- Secures and ensures location of corrugated tubes over high voltage cables.
- Mechanically tough to provide excellent protection against wear and tear, friction and rubbing.
- Orange color to match the RAL2003 (nominal) standard for high voltage circuits.
- Superior installation efficiency compared to tape solutions.
- Ability to shrink over both corrugate tube and cable assemblies

VOLINSU TUBING: EVFX

VOLINSU Tubing EVFX heat shrink has been designed as a more robust alternative to electrical tape for securing corrugated tubes over high voltage cables. 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 will also enable a significant reduction in installation time and -cost compared to tape wrapping.

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

MATERIAL PROPERTIES AND TEMPERATURE RATING

- Material: Thermally stabilized, modified polyolefin and crosslinked by irradiation.
- 3:1 shrink ratio
- Minimum Shrink Temperature: 90°C
- Full Recovery Temperature: 150°C
- Continuous operating temperature: -40°C to 125°C (-40°F to 257°F)

SPECIFICATIONS

- Type: VOLINSU Tubing: EVFX
- Raychem: 108-120077, 114-120026
- Flammability test done as per FMVSS302

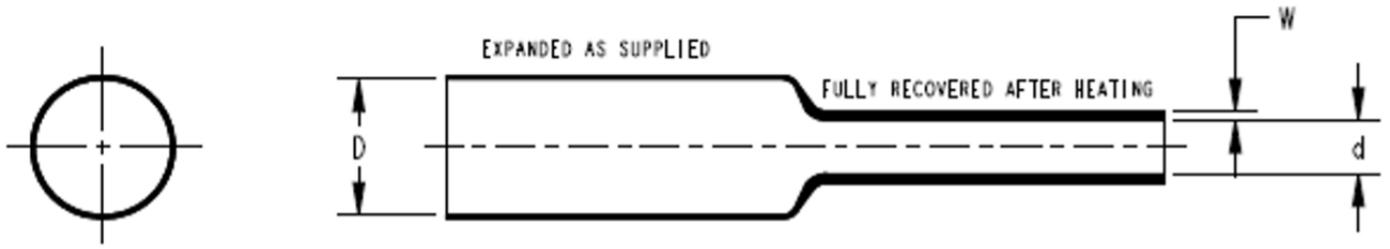
MARKETS AND APPLICATIONS

- Electric & Hybrid Automotive Vehicle
- Commercial and Industrial Transportation
- Mechanical corrugated fixing
- High voltage wire harness

PRODUCT PERFORMANCE

- **Durability**
 - Mechanically tough to robustly secure corrugated tube over cable in high heat environments
 - High voltage identification: orange color for visual identification of high voltage circuits
 - 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
- **Efficiency**
 - Superior installation efficiency compared to tape application.

DIMENSIONS



Size		Inside diameter as supplied (MIN) - D		Inside diameter after recovery (MAX) - d		Wall thickness after recovery - W					
						Minimum		Maximum		Nominal	
mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.
27/9	1.063/0.354	27.00	1.063	9.00	0.354	0.75	0.030	1.05	0.041	0.90	0.035

ORDERING INFORMATION

Color	EV Orange (RAL2003)
Size selection	One size available
Standard packaging	Spools meter
Marking	EVFX-27/9 White color text
Ordering description	One size available (EVFX-27/9-3-SP)

Are you looking to seal out moisture, offer enhanced strain relief, or provide rigorous mechanical protection? Do you need a flame retardant product? Leverage TE Connectivity's (TE) comprehensive portfolio of heat shrink tubing products in a wide range of applications.

Lear more: [TE.com/heatshrinktubing](https://www.te-connectivity.com/heatshrinktubing)

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