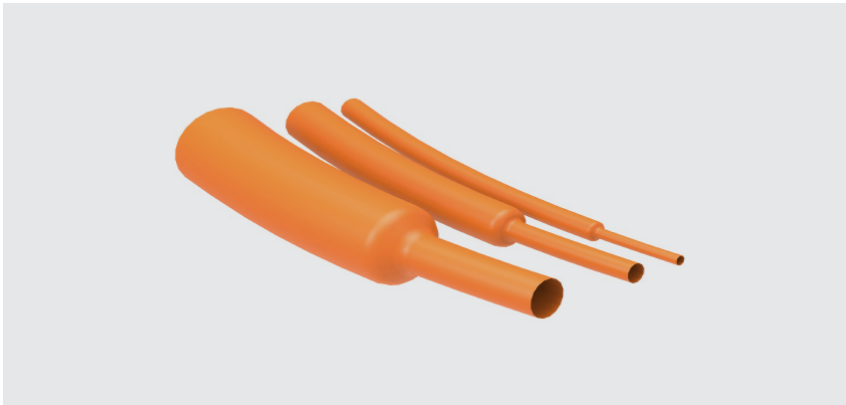


# VOLINSU TUBING: EVSW



## ELECTRIC VEHICLE, SINGLE WALL TUBING (EVSW)

Orange single wall tubing has been specifically designed for the use within the vehicle electrification market.

EVSW has been designed from a flame retardant material with excellent electrical properties, alongside 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).

## TEMPERATURE RATING

- Full recovery temperature: **90°C (194°F)**
- Continuous operating temperature: **-55°C to 135°C (-67°F to 275°F)**
- Minimum shrink temperature: **70°C (158°F)**

## 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**

## PRODUCT 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.

## MARKETS

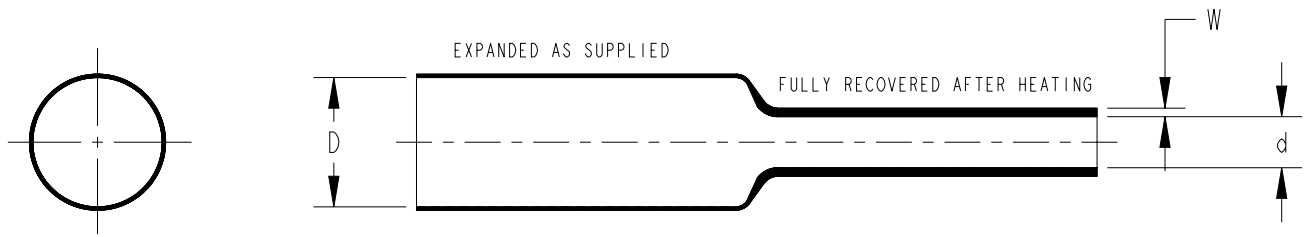
- Automotive
- Industrial and Commercial Transportation

## SPECIFICATIONS\*

- Type: **VOLINSU TUBING: EVSW**
- Raychem: **108-120071**
- Does not propagate burning as specified in UL224 conducted internally at TE

\*When ordering, always specify the latest specification file.

## DIMENSIONS (MILLIMETERS/INCHES)



Product size	Inside diameter (including core)		Recovered wall thickness**
	Expanded as supplied D (min.)	d (max.) Recovered after heating	W Nominal Recovered wall
10/5	10.00 (0.394)	4.50 (0.177)	0.64 (0.025)
12.7/6.4	12.70 (0.500)	6.40 (0.252)	0.64 (0.025)
20/9.5	20.00 (0.787)	9.50 (0.374)	0.76 (0.030)
26/12.7	26.00 (1.024)	12.70 (0.500)	0.88 (0.035)
40/19	40.00 (1.575)	19.00 (0.748)	1.01 (0.040)
50/25	50.00 (1.969)	25.00 (0.984)	1.14 (0.045)

Note: Dimensions shown in mm (inches).

\*\*Wall thickness will be less if tubing recovery is restricted during shrinkage.

### ORDERING INFORMATION

Color	EV Orange (-3)
Size selection	Always order the largest size that will shrink snugly over the component being covered.
Standard packaging	Spools meter
Marking	No marking.
Ordering description	Specify product name, size, color, and finishing type; for example, EVSW-10/5-3-SP.

Note: Please refer to the spool length document for details on spool length for each size of the product family.

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.

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

© 2023 TE Connectivity. All Rights Reserved.

TE Connectivity, TE connectivity (logo), VOLINSU, TE, EVERY CONNECTION COUNTS and Raychem are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. Other logos, product and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this brochure are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

03/23

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Heat Shrink Tubing and Sleeves](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[5685710001](#) [580397-000](#) [607381P039](#) [611112-000](#) [6284592002](#) [D-306-38](#) [D36200-000](#) [770-010Y106W1](#) [770-018S103](#) [770-018S202W1](#)  
[770-018S205W1](#) [770-020S704W1](#) [770-020S705](#) [790-3012](#) [MHHT-4-15K2-G-104](#) [8003012003](#) [MIL-LT-1-1/2-4-SP](#) [MIL-LT-1-1/2-9-STK](#)  
[MIL-LT-1/2-2-STK](#) [MIL-LT-3-0-SP](#) [MIL-LT-3/32-0-SP](#) [MIL-LT-3/32-6-SP](#) [MIL-LT-3/4-6-SP](#) [8159270001](#) [839602-000](#) [8423-6](#) [FP301-](#)  
[116-48"-Clear](#) [FP301-12-6"-Clear](#) [FP301-1/4-48"-White-Hdr](#) [FP301-18-48"-Black-Hdr](#) [FP301-1/8-6"-Black](#) [FP301-18-6"-Black-Bulk](#)  
[912229N002](#) [R280637030](#) [HDT-0300-48A-BLACK](#) [HDT-0400-48A-Black](#) [HDT-0800-48A-RED](#) [HDT1100-48A-BLK](#) [HDT1500-48A-BLK](#)  
[HDT-2000-48A-Black](#) [HF-04FRX25](#) [AE-900](#) [DWP-125-0.450-4-55MM-CS879](#) [156082-000](#) [MT5500-3/8-X-SP](#) [MW-12-48"-Black](#) [EPS200-](#)  
[1/4-48"-Black](#) [EPS200-1-48"-Black](#) [EPS200-3/16-48"-Black](#) [EPS400-.700-48"-Black-Bulk](#)