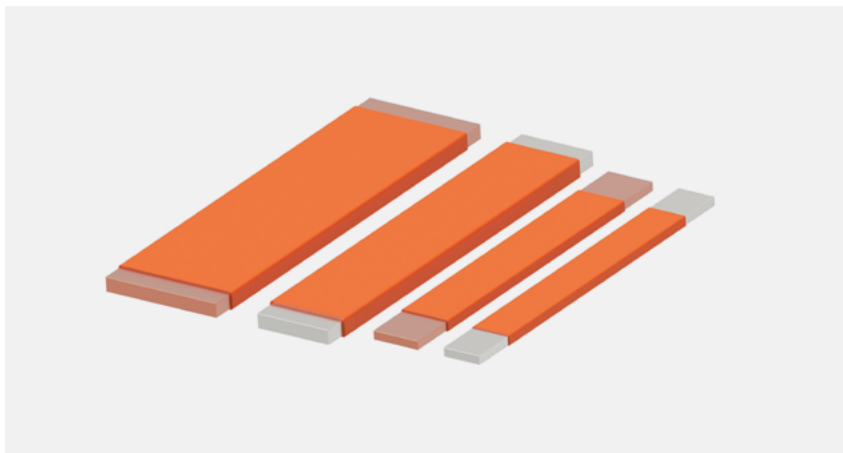


VOLINSU TUBING: EVBB HEAT SHRINK TUBING



ELECTRIC VEHICLE BUSBAR (EVBB)

PRODUCT BENEFITS

- Orange color (RAL-2003 color) to meet EV visual requirements
- Suitable for high current busbar application
- Reduce water vapor and avoid electrochemical corrosion of copper rows
- Busbars covered with electric vehicle busbar EVBB can effectively improve insulation capabilities
- Does not propagate burning to support vehicle operators and passengers' safety
- Achieve lightweight requirements
- Deliver optimum thermal stability, electrical resistivity, and high voltage performance

The VOLINSU electric vehicle busbar (EVBB) heat shrink tubing has been engineered for the use within the vehicle electrification market. EVBB heat shrink tubing 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.

EVBB 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 EVBB tubing can be used in applications up to 125°C (257°F), with a short time excursion of up to 200°C (392°F).

MATERIAL PROPERTIES AND TEMPERATURE RATING

- Material: Modified polyolefin and crosslinked by irradiation
- Shrink ratio: 2:1
- Minimum Shrink Temperature: 70°C
- Operating Temperature: -40°C to 125°C
- Full recovery temperature: 90°C
- Voltage system: rated for 2500V

SPECIFICATIONS

- Type: VOLINSU TUBING: EVBB
- Raychem tubing brand: 108-120075
- Does not propagate burning as specified in UL224 conducted internally at TE
- REACH, RoHS compliant? Yes

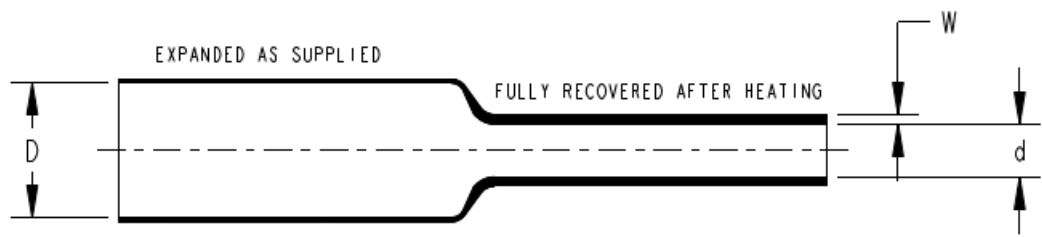
MARKETS AND APPLICATIONS

- Automotive EV Busbar
- Industrial and Commercial Transportation EV Busbar
- Electric Control, Battery Cell, etc...

PRODUCT PERFORMANCE

- Enhances the safety of the electrical system
- Minimizes the risk of electrical faults, short circuits, and fires
- High volume resistivity.
- Testing conducted in accordance to ASTM D2671 standard
- Improved thermal and copper stability
- Excellent color stability
- No cracking
- Better softness and flexibility
- Flame retardant

DIMENSIONS (including drawing)



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.
20/9.5	3/4	20.00	0.787	9.50	0.374	0.68	0.027	0.84	0.033	0.76	0.030
26/12.7	1	26.00	1.024	12.70	0.500	0.76	0.030	1.01	0.040	0.88	0.035
40/19	1-1/2	40.00	1.575	19.00	0.748	0.86	0.034	1.17	0.046	1.01	0.040
50/25	2	50.00	1.969	25.00	0.984	0.96	0.038	1.32	0.052	1.14	0.045

Note: Dimensions shown mm (inches).
**Wall thickness will be less if tubing recovery is restricted during shrinkage.

ORDERING INFORMATION	
Color	EV Orange (RAL-2003 color)
Size selection	Always order the largest size that will shrink snugly over the component being covered
Standard packaging	SPOOLS (meter); Stick (STK)
Marking	Surface mark
Ordering description	Specify product name, size, color, and finishing type; for example, EVBB-26/12.7-3-SP.

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

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

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