



# DUNBAR – EV2500

2:1 SHRINK RATIO, HIGH VOLTAGE, VERY FLEXIBLE, V-0 FLAMMABILITY, EV TUBING

## Applications

DUNBAR-EV2500 is a flexible, flame retardant (V-0), heat shrinkable Modified Polyolefin tube for applications requiring outstanding high voltage and V-0 flammability standards. It reliably protects wires, solder joints, terminals, connections, and components.

## Features

- ★ Shrink ratio: 50% or more in the radial direction, 5% or less in the axial direction
- ★ Operating Voltage (Max) 2.5 kV
- ★ Continuous operating temperature: -55 °C (-67 °F) to +135 °C (+275 °F)
- ★ Flammability: UL V-0
- ★ Very Flexible
- ★ Min. Shrink Temp 70 °C
- ★ Standard Color EV Orange

## Standards

- ★ Declared Dimensional Life (DDL) – 3 Years
- ★ UL 224: V-0 Tested Internally
- ★ RoHS & REACH Compliant

## Specification Values

Property		Test Standard	Value	
Physical	Unaged	Tensile Strength	Min. 1,500 psi	
		Elongation	Min. 200%	
	Aged	Tensile Strength	UL 224 158 °C x 168 hrs	Min. 1,000 psi
		Elongation		Min. 100%
	Heat Shock		UL 224	No cracks, flowing or dripping
Cold Bend		-30 °C x 1 hr	No cracking	
Electrical	Dielectric Withstand	300 V	1500 V 1 min	Without breakdown
		600 V	2500 V 1 min	Without breakdown
	Dielectric Strength		UL 224	15 kV/mm min.
	Volume Resistivity		UL 224	Min. 10 <sup>14</sup> Ω · cm
Chemical	Copper Stability		158 °C x 168 hrs	No corrosion
	Anti Corrosion		UL 224	Pass
	Flammability		UL 94	V-0

Rev. December 2023



Dunbar Products, LLC  
Tubing and Identification Products

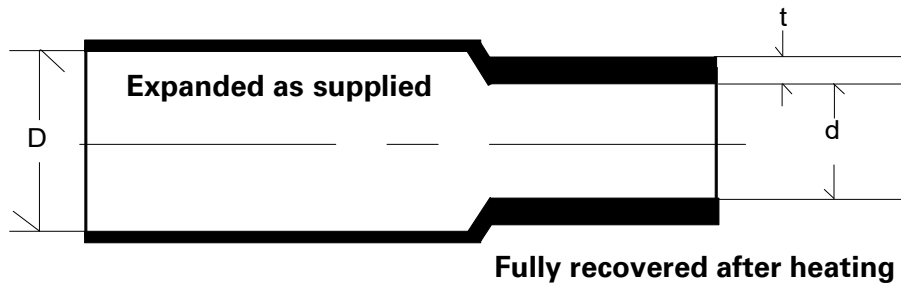


1302 Champion Circle, Carrollton, TX 75006  
Tel: (469) 568-0800  
Fax: (469) 568-0808



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## Product Dimensions

Minimum Shrink Temperature: 70 °C

Size	Expanded		Recovered			
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Wall Thickness (Minimum) (t)	
	in	mm	in	mm	in	mm
mm						
10/5	0.394	10.0	0.177	4.5	0.025	0.64
12.7/6.4	0.500	12.7	0.252	6.4	0.025	0.64
20/9.5	0.787	20.0	0.374	9.5	0.030	0.76
26/12.7	1.024	26.0	0.500	12.7	0.035	0.88
40/19	1.575	40.0	0.748	19.0	0.040	1.01
50/25	1.969	50.0	0.984	25.0	0.045	1.14

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Standard Colors: Orange  
Optional Color(s): Available by special order



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