



DUNBAR – EV2500

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

Applications

DUNBAR-EV2500 is a flexible, flame retardant (VW-1), heat shrinkable modified polyolefin tube for applications requiring outstanding high voltage and VW-1 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 VW-1
- ★ Very Flexible
- ★ Min. Shrink Temp 70 °C
- ★ Standard Color EV Orange

Standards

- ★ Declared Dimensional Life (DDL) – 3 Years
- ★ UL 224: VW-1 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
		Elongation	Min. 1,000 psi Min. 100%
	Heat Shock		UL 224
Cold Bend		-30 °C x 1 hr	No cracking
Electrical	Dielectric Withstand		4 kV 1 min. Without breakdown
	Dielectric Strength		UL 224 15 kV/mm min.
	Volume Resistivity		UL 224 Min. 10 ¹⁴ Ω · cm
Chemical	Copper Stability		158 °C x 168 hrs No corrosion
	Anti Corrosion		UL 224 Pass
	Flammability		UL 224 VW-1

Rev. December 2023



Dunbar Products, LLC
Tubing and Identification Products

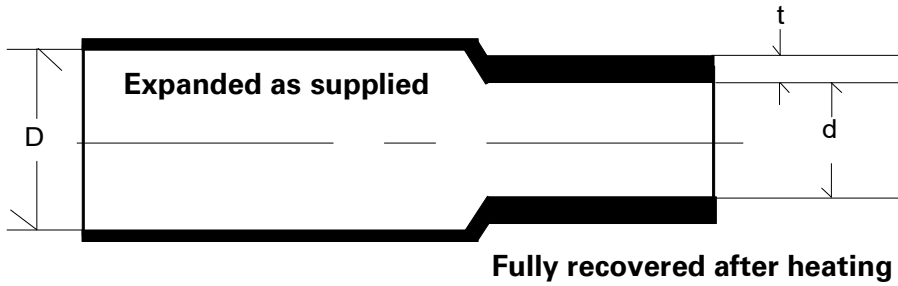


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Product Dimensions

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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