



# DUNBAR – EV2500

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

## Applications

DUNBAR-EV2500 is a flexible, flame retardant (V-O), heat shrinkable Modified Polyolefin tube for applications requiring outstanding high voltage and V-O 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) 2.5kV
- ★ Continuous operating temperature: -55°C (-67°F) to 135°C (275°F)
- ★ Flammability: UL V-O
- ★ Very Flexible
- ★ Min. Shrink Temp 70°C
- ★ Standard Color EV Orange

## Standards

- ★ UL 224: V-O Tested Internally
- ★ Declared Dimensional Life (DDL) – 3 Years
- ★ 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	300V	1500V 1 min	Without breakdown
		600V	2500V 1 min	Without breakdown
	Dielectric strength		UL 224	15kV/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-O	Pass

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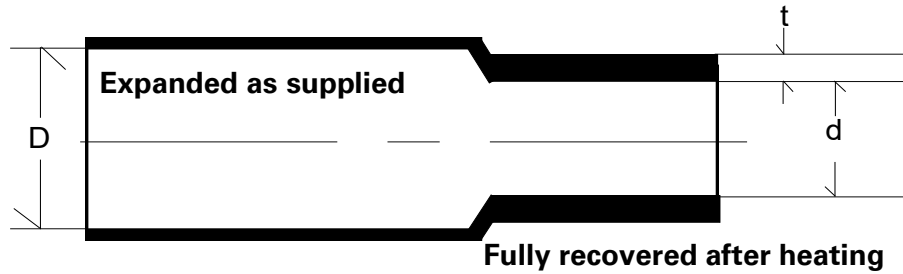
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## Product Dimensions

Minimum Shrink Temperature: 70°C

Size	Expanded		Recovered				Standard Spool Length
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Nominal Wall Thickness (t)		
	In.	mm	In.	mm	In.	mm	Ft.
mm							
10/5	0.394	10.0	0.177	4.5	0.025	0.64	200
12.7/6.4	0.500	12.7	0.252	6.4	0.025	0.64	200
20/9.5	0.787	20.0	0.374	9.5	0.030	0.76	100
26/12.7	1.024	26.0	0.500	12.7	0.035	0.88	100
40/19	1.575	40.0	0.748	19.0	0.040	1.01	100
50/25	1.969	50.0	0.984	25.0	0.045	1.14	100

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

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