



# DUNBAR – 4635WS

4:1 SHRINK RATIO, SEMI-RIGID, DUAL-WALL, POLYOLEFIN TUBING

## Applications

DUNBAR-4635WS is a semi-rigid, high shrink ratio, flame retardant, heat resistant, mechanically tough heat shrinkable polyolefin tube with an adhesive lining which flows when heated. It may be used to seal and protect a wide variety of electrical applications, including wire splices, breakouts, and connectors-to-cable transitions.

## Features

- ★ Shrink ratio: 75% or more in the radial direction, 3% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Continuous operating temperature: -55°C (-67°F) to 135°C (275°F)
- ★ Flammability: Flame retardant (Jacket only, except clear)
- ★ Excellent electrical properties
- ★ High resistance to abrasion, chemicals and oils

## Standards

- ★ UL 224: 125°C, 600V (File Number: E319314)
- ★ Declared Dimensional Life (DDL) – 10 Years
- ★ RoHS & REACH Compliant

## Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	Min. 2,000 psi	
		Elongation	Min. 250%	
	Aged	Tensile strength	Min. 1400 psi	
		Elongation	Min. 100%	
	Eccentricity		-	Max. 30%
	Heat Shock		250°C/4 hrs	No cracks, flowing, or dripping
	Cold bend		ASTM D746	No crack
Secant modulus		ASTM D882	Min. 25,000 psi	
Electrical	Voltage withstand		AC 2.5kv/1 min. Pass	
	Volume resistivity		ASTM D 876 Min. 10 <sup>14</sup> Ω - cm	
Chemical	Copper corrosion		150°C/16 hrs No corrosion	
	Copper stability		- Elongation min. 100%	

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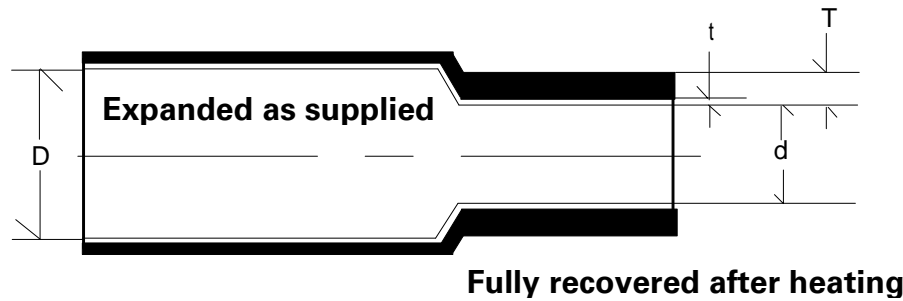
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## Product Dimensions

Minimum Shrink Temperature: 130°C

Size	Printed	Expanded		Recovered					
		Internal Diameter (min.) (D)		Internal Diameter (max.) (d)		Total Wall Thickness (Nominal) (T)		Wall Thickness Adhesive Wall (Nominal) (t)	
		In.	mm	In.	mm	In.	mm	In.	mm
6 mm (No. 1)	DW-1	0.248	6.3	0.050	1.27	0.047	1.20	0.022	0.56
8 mm (No. 2)	DW-2	0.322	8.2	0.065	1.65	0.047	1.20	0.030	0.76
11 mm (No. 3)	DW-3	0.444	11.3	0.095	2.41	0.075	1.90	0.040	1.02
18 mm (No. 4)	DW-4	0.712	18.1	0.175	4.45	0.094	2.40	0.051	1.30

Standard Colors: Black & Clear  
Other colors by special order

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