



# DUNBAR – 3635W

3:1 SHRINK RATIO, DUAL-WALL, FLAME RETARDANT POLYOLEFIN TUBING

## Applications

DUNBAR-3635W is a flexible, high shrink ratio, flame retardant heat shrinkable polyolefin tube with an adhesive lining which flows when heated. It is suitable to seal and protect a wide variety of electrical applications, including wire splices, breakouts, and connectors-to-cable transitions.

## Features

- ★ Shrink ratio: 67% or more in the radial direction, -15% 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

- ★ SAE AS23053/4 Class 3, all colors except clear (Formerly AMS-DTL-23053/4 Class 3)
- ★ Declared Dimensional Life (DDL) – 10 Years
- ★ UL 224: VW-1, 600 V, 125 °C (File Number: E319314, except clear)
- ★ RoHS & REACH Compliant

## Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	Min. 1300 psi	
		Elongation	Min. 250%	
	Fluid Resist.	Tensile Strength	Min. 900 psi	
		Dielectric Strength	Min. 200 Volts/mil	
	Heat Shock		250°C/4 hrs	No cracks, flowing, or dripping
	Low Temperature Flex		ASTM D746	No crack @ -55°C
	Secant Modulus		ASTM 882	Max. 25,000 psi
Electrical	Dielectric Strength		Min. 300 Volts/mil	
	Volume Resistivity		Min. 10 <sup>12</sup> Ω · cm	
Chemical	Copper Corrosion		121°C/16hrs No corrosion	
	Fungus Resistance		ASTM G21 No growth	
	Water Absorption		ASTM D570 Max. 1.0%	
	Flammability		ASTM D2671 Pass	

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Tubing and Identification Products

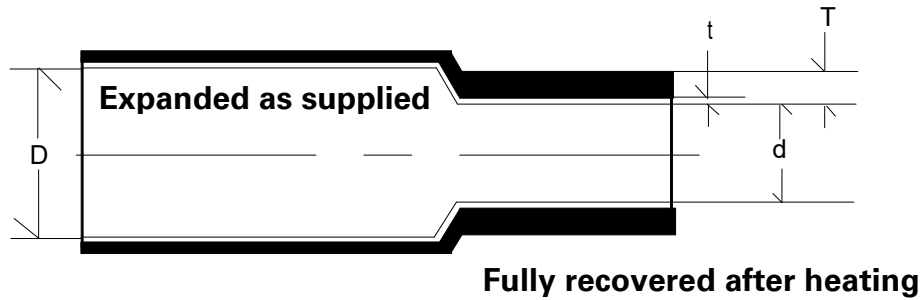


1302 Champion Circle, Carrollton, TX 75006  
Tel: (469) 568-0800  
Fax: (469) 568-0808



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## Product Dimensions

Minimum Shrink Temperature: 120 °C

Size	Expanded		Recovered						Standard Length
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Total Wall Thickness (Nominal) (T)		Wall Thickness Adhesive Wall (Nominal) (t)		
	In.	mm	In.	mm	In.	mm	In.	mm	
1/8"	0.120	3.0	0.04	1.0	0.040	1.00	0.020	0.50	4
3/16"	0.187	4.8	0.059	1.6	0.040	1.00	0.020	0.50	4
1/4"	0.240	6.1	0.08	2.0	0.040	1.00	0.020	0.50	4
3/8"	0.374	9.6	0.118	3.2	0.047	1.20	0.025	0.65	4
1/2"	0.470	11.9	0.16	4.1	0.056	1.40	0.030	0.8	4
3/4"	0.752	19.1	0.236	6.4	0.080	2.00	0.040	1.0	4
1"	0.940	23.9	0.32	8.1	0.080	2.00	0.040	1.0	4
1-1/2"	1.57	39.9	0.51	13.0	0.080	2.00	0.040	1.0	4

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\*Metric sizes available by special order



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