



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 and +1%, -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	ASTM D638	Min. 900 psi
		Dielectric Strength	ASTM D2671	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		ASTM D2671	Min. 300 Volts/mil
	Volume Resistivity		ASTM D876	Min. 10 ¹² Ω · cm
Chemical	Copper Corrosion		121 °C/16 hrs	No corrosion
	Fungus Resistance		ASTM G21	No growth
	Water Absorption		ASTM D570	Max. 1.0%
	Flammability		ASTM D2671	Pass

Rev. April 2024



Dunbar Products, LLC
Tubing and Identification Products

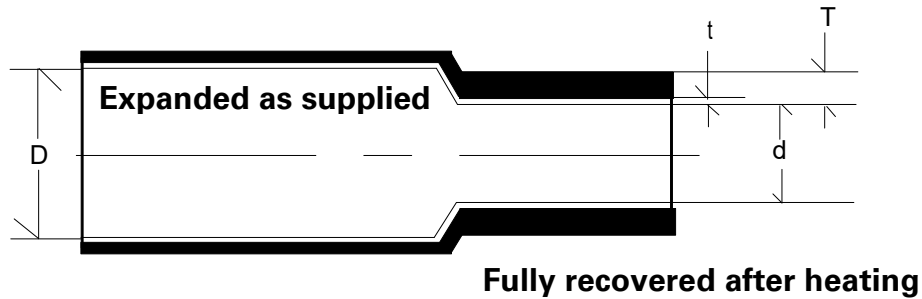


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Product Dimensions

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	0.040	1.0	0.040	1.0	0.020	0.50	4
3/16"	0.189	4.8	0.059	1.5	0.040	1.0	0.020	0.50	4
1/4"	0.240	6.1	0.080	2.0	0.040	1.0	0.020	0.50	4
3/8"	0.374	9.5	0.118	3.0	0.047	1.2	0.025	0.65	4
1/2"	0.470	11.9	0.160	4.1	0.070	1.8	0.030	0.80	4
3/4"	0.752	19.1	0.236	6.0	0.080	2.0	0.040	1.0	4
1"	0.940	23.9	0.320	8.1	0.100	2.5	0.040	1.0	4
1-1/2"	1.57	39.9	0.510	13.0	0.100	2.5	0.040	1.0	4

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*Metric sizes available by special order



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