



DUNBAR – 4635WT

4:1 SHRINK RATIO, FLEXIBLE, DUAL-WALL, POLYOLEFIN TUBING


Applications

DUNBAR-4635WT is a very flexible, high shrink ratio, heat resistant, heat shrinkable polyolefin tube with a meltable adhesive, 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, 10% or less in the axial direction
- ★ Continuous operating temperature: - 55°C to 135°C
- ★ Flammability: UL VW-1, CSA OFT (Jacket only)
- ★ Excellent electrical properties
- ★ High resistance to chemicals and oils

Standard

- ★ UL 224 (File Number: E319314) 
- ★ MIL-DTL-23053/4 Class 3
- ★ RoHS Compliant

Specification Values

Property		Test Method	Value
Physical	Unaged	Tensile strength	Min. 1.06 kgf/mm ²
		Elongation	Min. 200%
	Aged	Tensile strength	Min. 70% of the value of unaged specimens
		Elongation	Min. 100%
	Deformation	158°C/168 hrs	Max. 50% decrease in wall thickness
	Heat shock	250± 3°C / 4 hrs	No crack
	Cold bend	- 55°C/1 hr	No crack
	Flexibility	158°C/168 hrs	No crack or deformation
Secant Modulus	-	Max. 17.64 kgf/mm ²	
Electrical	Dielectric strength	-	Min. 2.5kV/1 minute
	Volume resistivity	-	Min. 10 ¹⁴ Ω - cm
Chemical	Copper corrosion	158°C/168 hrs	No corrosion of bare copper
	Copper stability	158°C/168 hrs	No sign of degradation
	Flammability (Jacket only)	-	All tubing and VW-1

Rev. June 2009



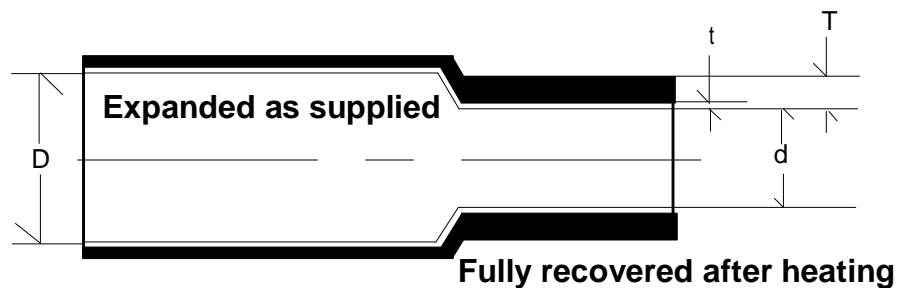
Dunbar Associates
Your Stocking Partner for Quality Components

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Product Dimensions

Minimum Shrink Temperature: 120°C

Size	Expanded		Recovered					
	Internal Diameter Minimum (D)		Internal Diameter Maximum (d)		Minimum Total Wall Thickness (Total Wall) (T)		Minimum Wall Thickness (Adhesive Wall) (t)	
	In.	mm	In.	mm	In.	mm	In.	mm
3/16	0.1575	4	0.039	1.0	0.0354	0.90	0.0197	0.50
5/16	0.3150	8	0.079	2.0	0.0354	0.90	0.0197	0.50
1/2	0.4724	12	0.118	3.0	0.0512	1.30	0.0236	0.60
3/4	0.6300	16	0.157	4.0	0.0630	1.60	0.0300	0.76
1	0.9449	24	0.236	6.0	0.0827	2.10	0.0311	0.79
1-1/4	1.2598	32	0.315	8.0	0.0906	2.30	0.0409	0.90
2	2.0472	52	0.5118	13.0	0.0984	2.50	0.0409	0.90

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