

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 110°C (230°F)
- ★ Flammability: UL VW-1 (Jacket only)
- ★ Excellent electrical properties
- ★ High resistance to abrasion, chemicals and oils

Standard

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

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	ASTM D 638	Min. 1300 psi
		Elongation		Min. 250%
	Fluid Resist.	Tensile strength	ASTM D 638	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. $1 \times 10^{12} \Omega$ - 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	

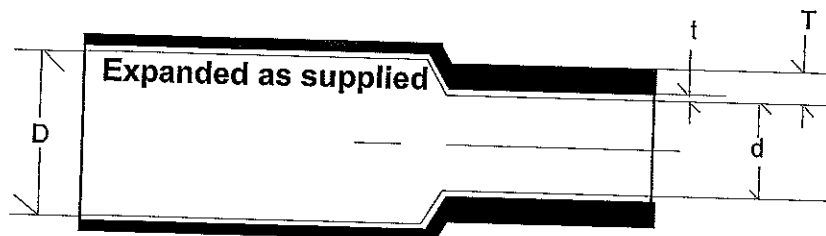
Rev. April 2011

DUNBAR

Heat Shrinkable Tubing

DUNBAR – 3635W

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



Fully recovered after heating

Product Dimensions

Minimum Shrink Temperature: 120°C

Size	Expanded		Recovered						Standard Length
	Internal Diameter (min.) (D)		Internal Diameter (max.) (d)		Total Wall Thickness (Nominal) (T)		Wall Thickness Adhesive Wall (Nominal) (t)		
Inch Size	In.	mm	In.	mm	In.	mm	In.	mm	Ft.
1/8"	0.125	3.2	0.038	0.98	0.040	1.00	0.015	0.40	4
3/16"	0.188	4.8	0.060	1.52	0.040	1.00	0.019	0.50	4
1/4"	0.251	6.4	0.079	2.00	0.040	1.00	0.023	0.59	4
3/8"	0.374	9.5	0.118	3.00	0.047	1.20	0.025	0.65	4
1/2"	0.503	12.8	0.156	3.98	0.056	1.43	0.031	0.79	4
3/4"	0.767	19.5	0.236	6.00	0.078	2.00	0.042	1.09	4
1"	1.000	25.4	0.314	8.00	0.079	2.03	0.037	0.93	4
1-1/2"	1.570	40.0	0.510	12.95	0.090	2.30	0.047	1.20	4

*Metric sizes available for special orders.

Rev. April 2011

DUNBAR

Dunbar Products, LLC
Tubing and Identification Products

P.O. Box 112218, Carrollton, Texas 75011-2218
Tel: (469) 568-0800