



DUNBAR – 1635S

2:1 SHRINK RATIO, SEMI-RIGID, FLAME RETARDANT, POLYOLEFIN TUBING

Applications

DUNBAR-1635S is designed for wire strain-relief applications and terminations, wire splices, soldered or crimped connections. It provides tough and high abrasion resistance for delicate components in mechanical environments.

Features

- ★ Shrink ratio: 50% or more in the radial direction, 5% or less in the axial direction
- ★ In stock for immediate shipments (Black, Clear, and Optional Colors)
- ★ Continuous operating temperature: - 55 °C (-67 °F) to 135 °C (275 °F)
- ★ Flammability: ASTM D2671 procedure B
- ★ High resistance to abrasion, chemicals and oils

Standard

- ★ AMS-DTL-23053/6 Class 1, Class 2 is Clear (Formerly MIL-DTL-23053/6 Class 1 & 2)
- ★ RoHS Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	ASTM D638 Min. 2,000 psi	
		Elongation	Min. 200%	
	Aged	Elongation	ASTM D638 Min. 100%	
	Fluid Resist.	Tensile strength	24 °C/24 hrs 6 Fluids	Min. 1,600 psi
		Dielectric strength	6 Fluids	Min. 400 Volts/mil
	Concentricity		ASTM D2671	Min. 70%
	Heat shock		250 °C/4 hrs	No cracks, flowing or dripping
	Low temperature flexibility		- 55 °C/4 hrs	No cracking
	Secant modulus		ASTM D882	Min. 25,000 psi
Specific gravity		ASTM D792	Max. 1.35 (Max. 1.00 Clear)	
Electrical	Dielectric strength		ASTM D2671 Min. 500 Volts/mil	
	Volume resistivity		ASTM D876 Min. 10 ¹⁴ Ω - cm	
Chemical	Copper corrosion		150 °C/16 hrs No corrosion	
	Fungus resistance		ASTM G21 No growth	
	Water Absorption		ASTM D570 Max. 0.5% (Max. 0.2% Clear)	
	Flammability		ASTM D2671 Pass	

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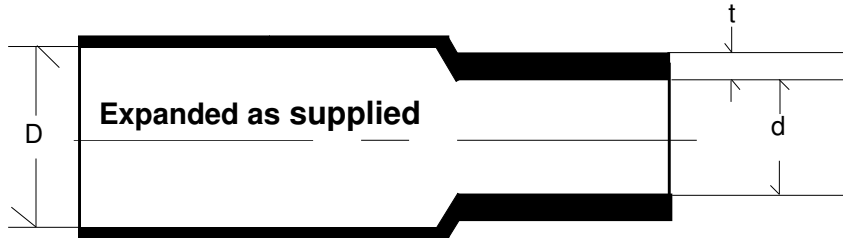


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Fully recovered after heating

Product Dimensions

Minimum Shrink Temperature: 130°C

Size	Expanded		Recovered				Standard Spool Length
	Internal Diameter Minimum (D)		Internal Diameter Maximum (d)		Total Wall Thickness Minimum (t)		
Inch Size	In.	mm	In.	mm	In.	mm	Ft.
3/64"	0.047	1.2	0.023	0.58	0.013	0.33	500
1/16"	0.063	1.6	0.031	0.79	0.014	0.36	500
3/32"	0.094	2.4	0.046	1.17	0.017	0.43	500
1/8"	0.126	3.2	0.062	1.57	0.017	0.43	500
3/16"	0.189	4.8	0.093	2.36	0.017	0.43	250
1/4"	0.252	6.4	0.125	3.18	0.022	0.56	250
3/8"	0.378	9.6	0.187	4.75	0.022	0.56	200
1/2"	0.500	12.7	0.250	6.35	0.022	0.56	200
3/4"	0.752	19.1	0.375	9.53	0.027	0.69	100
1"	1.0	25.4	0.5	12.70	0.030	0.76	100

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Dunbar Products, LLC
Tubing and Identification Products

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