



# 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

- ★ SAE AS23053/6 Class 1 (colors), Class 2 (clear)  
(Formerly AMS-DTL-23053/6 Class 1 & 2)
- ★ RoHS & REACH 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	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 <sup>14</sup> 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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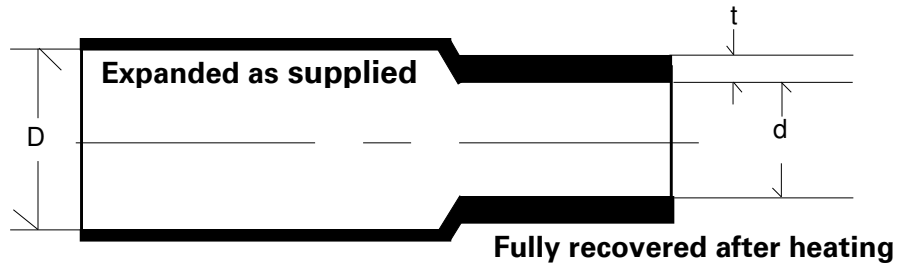
Dunbar Products, LLC  
Tubing and Identification Products

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## 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"	0.046	1.2	0.023	0.6	0.017	0.4	500
1/16"	0.063	1.6	0.031	0.8	0.017	0.4	500
3/32"	0.093	2.4	0.046	1.2	0.017	0.4	500
1/8"	0.125	3.2	0.062	1.6	0.017	0.4	500
3/16"	0.187	4.7	0.093	2.4	0.022	0.5	250
1/4"	0.250	6.4	0.125	3.2	0.022	0.5	250
3/8"	0.375	9.5	0.187	4.7	0.025	0.7	200
1/2"	0.500	12.7	0.250	6.4	0.025	0.7	200
3/4"	0.750	19.1	0.375	9.5	0.027	0.7	100
1"	1.0	25.4	0.5	12.7	0.030	0.7	100

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