



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, 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 to +135 °C (-67 °F to +275 °F)
- ★ Flammability: ASTM D2671 procedure B
- ★ High resistance to abrasion, chemicals, and oils

Standards

- ★ SAE AS23053/6 Class 1 (colors), Class 2 (clear)
(Formerly AMS-DTL-23053/6 Class 1 & 2)
- ★ Declared Dimensional Life (DDL) – 10 Years
- ★ RoHS & REACH Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	Min. 2,000 psi	
		Elongation	Min. 200%	
	Aged	Elongation	ASTM D638	Min. 100%
		Fluid Resist.	Tensile Strength	24 °C/24 hrs
	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

Rev. April 2024



Dunbar Products, LLC
Tubing and Identification Products

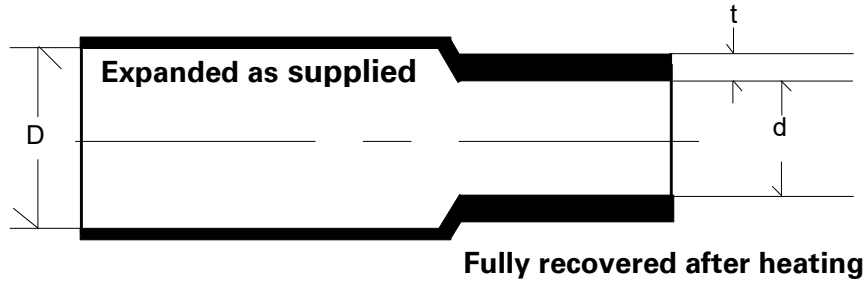


1302 Champion Circle, Carrollton, TX 75006
Tel: (469) 568-0800
Fax: (469) 568-0808



DUNBAR – 1635S

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



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)		
	in	mm	in	mm	in	mm	
3/64"	0.046	1.2	0.023	0.6	0.017	0.432	500
1/16"	0.063	1.6	0.031	0.8	0.017	0.432	500
3/32"	0.093	2.4	0.046	1.2	0.017	0.432	500
1/8"	0.125	3.2	0.062	1.6	0.017	0.432	500
3/16"	0.187	4.7	0.093	2.4	0.022	0.559	250
1/4"	0.250	6.4	0.125	3.2	0.022	0.559	250
3/8"	0.375	9.5	0.187	4.7	0.025	0.635	200
1/2"	0.500	12.7	0.250	6.4	0.025	0.635	200
3/4"	0.750	19.1	0.375	9.5	0.027	0.686	100
1"	1.00	25.4	0.5	12.7	0.030	0.762	100

Rev. April 2024



Dunbar Products, LLC
Tubing and Identification Products



1302 Champion Circle, Carrollton, TX 75006
Tel: (469) 568-0800
Fax: (469) 568-0808