

2:1 Shrink Ratio, Semi-Rigid, Flame Retardant, Polyolefin Tubing

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.



PRODUCT 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

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	Min. 2,000 psi	
		Elongation	Min. 200%	
	Aged	Elongation	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 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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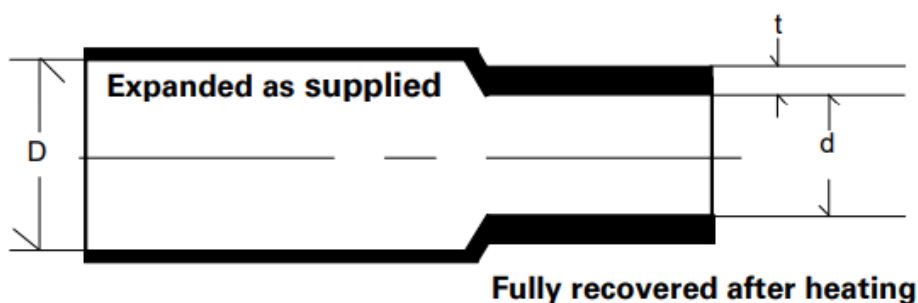
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DUNBAR – 1635S

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	ft
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

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