

# 2:1 Shrink Ratio, Flexible, Flame Retardant, Polyolefin Tubing

DUNBAR-1635F is a flexible, flame retardant, heat shrinkable Polyolefin tube. It is designed for a wide range of applications including insulation for electric & electronic devices, wire strain relief, and protective covering for parts such as resistors and capacitors.



**PRODUCT FEATURES:**

- Shrink ratio: 50% or more in the radial direction, 5% or less in the axial direction
- In stock for immediate shipments (All Colors and Yellow/Green stripe)
- Continuous operating temperature: -55 °C to +135 °C (-67 °F to +275 °F)
- Low Temperature Printable - Thermal Transfer or Hot Stamp
- Flammability: UL VW-1, CSA OFT (except clear)
- ☒ High resistance to abrasion, chemicals, and oils

## Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	ASTM D638	Min. 1,500 psi
		Elongation		Min. 200%
	Aged	Elongation	ASTM D638	Min. 100%
	Fluid Resist.	Tensile Strength	24 °C/24 hrs	Min. 1,000 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	Max. 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		175 °C/16 hrs	No corrosion
	Fungus Resistance		ASTM G21	No growth
	Water Absorption		ASTM D570	Max. 0.5%
	Flammability		ASTM D2671	Pass

Rev. March 2024

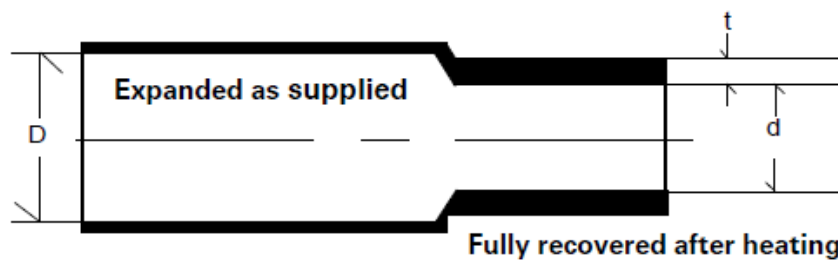
# MATRIX PRECISION CONVERTING

*Your Application. Our Expertise.*

Matrix specializes in precision cutting and converting of engineered materials to meet the exact specifications required by manufacturers. Our state-of-the-art equipment and expertise ensure precise customization, providing manufacturers with streamlined solutions to enhance their product quality and performance.

## DUNBAR – 1635F

2:1 SHRINK RATIO, FLEXIBLE, FLAME RETARDANT, POLYOLEFIN TUBING



### Product Dimensions

Minimum Shrink Temperature: 90 °C

Size	Expanded		Recovered				Standard Spool Length
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Wall Thickness (Minimum) (t)		
in	in	mm	in	mm	in	mm	ft
3/64"	0.046	1.2	0.023	0.6	0.013	0.330	500
1/16"	0.063	1.6	0.031	0.8	0.014	0.356	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	0.017	0.432	250
1/4"	0.250	6.4	0.125	3.2	0.022	0.559	250
5/16"	0.312	7.9	0.157	4.0	0.022	0.559	250
3/8"	0.375	9.5	0.187	4.7	0.022	0.559	200
1/2"	0.500	12.7	0.250	6.4	0.022	0.559	200
5/8"	0.625	15.8	0.312	8.0	0.027	0.686	200
3/4"	0.750	19.1	0.375	9.5	0.027	0.686	100
1"	1.00	25.4	0.500	12.7	0.030	0.762	100
1-1/4"	1.25	31.7	0.630	16.0	0.034	0.864	100
1-1/2"	1.5	38.1	0.750	19.1	0.034	0.864	100
2"	2.0	50.8	1.0	25.4	0.038	0.965	100
3"	3.0	76.2	1.5	38.1	0.042	1.07	100
4"	4.0	102	2.0	50.8	0.046	1.17	100
5"	5.0	127	2.5	63.5	0.046	1.17	100