



# DUNBAR – 1675 Kynar

2:1 SHRINK RATIO, HIGH TEMPERATURE, CHEMICAL RESISTANT, PVF<sub>2</sub> TUBING

## Applications

DUNBAR-1675 is semi-rigid, flame retardant, heat shrinkable polyvinylidene fluoride (PVF<sub>2</sub>) tube for applications requiring outstanding abrasion and cut-through resistance. It reliably protects: wires, solder joints, terminals, connections, and components from most industrial fuels, solvents and chemicals.

## Features

- ★ Shrink ratio: 50% or more in the radial direction, 10% or less in the axial direction
- ★ In stock for immediate shipment
- ★ Continuous operating temperature: -55°C (-67°F) to 175°C (347°F)
- ★ Flammability: UL VW-1, CSA OFT
- ★ Highly heat and abrasion resistant
- ★ High resistance to chemicals and oils

## Standard

- ★ SAE AS23053/8 (Formerly AMS-DTL-23053/8)  
All colors available, Mil-Specs only recognizes Clear for QPL
- ★ UL 224: VW-1, 150°C, 600V (File Number: E319303)
- ★ RoHS & REACH Compliant

## Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	Min. 5,000 psi	
		Elongation	Min. 150%	
	Aged	Elongation	Min. 50%	
	Fluid Resist.	Tensile strength	24°C/24 hrs	Min. 5,000 psi
		Dielectric strength	6 Fluids	Min. 500 Volts/mil
	Concentricity		ASTM D2671	Min. 70%
	Crystalline melt point		ASTM D4951	Min. 150°C
	Heat shock		300°C/4 hrs	No cracks, flowing or dripping
	Low temperature flexibility		-55°C/4 hrs	No cracking
	Secant modulus		ASTM D882	Min. 120,000 psi
Specific gravity		ASTM D792	Max. 1.8	
Electrical	Dielectric strength		ASTM D2671 Min. 800 Volts/mil (sizes to .5in.) Min. 600 Volts/mil (sizes over .5in.)	
	Volume resistivity		ASTM D876 Min. 10 <sup>13</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	

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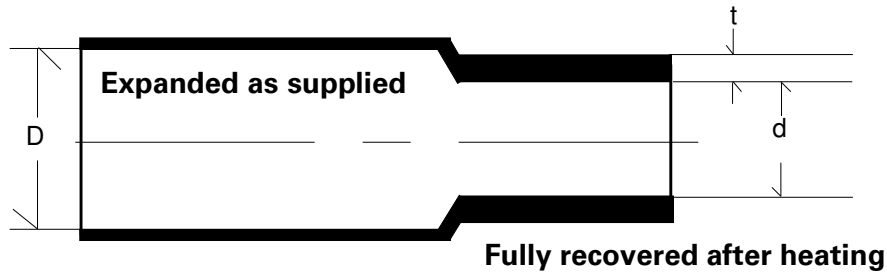
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## Product Dimensions

Minimum Shrink Temperature: 175°C

Size	Expanded		Recovered				Standard Spool Length
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Minimum Total Wall Thickness (t)		
	In.	mm	In.	Mm	In.	mm	Ft.
3/64"	0.046	1.2	0.023	0.6	0.008	0.2	500
1/16"	0.063	1.6	0.031	0.8	0.008	0.2	500
3/32"	0.093	2.4	0.046	1.2	0.008	0.2	500
1/8"	0.125	3.2	0.062	1.6	0.008	0.2	500
3/16"	0.187	4.7	0.093	2.4	0.008	0.2	250
1/4"	0.250	6.4	0.125	3.2	0.009	0.2	250
3/8"	0.375	9.5	0.187	4.7	0.009	0.2	200
1/2"	0.500	12.7	0.250	6.4	0.009	0.2	200
3/4"	0.750	19.1	0.375	9.5	0.014	0.3	100
1"	1.000	25.4	0.500	12.7	0.016	0.4	100

Standard Colors: Clear (Natural) & Black  
 Optional Color(s): Available by special order

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