



DUNBAR – 1650F

2:1 SHRINK RATIO, FLEXIBLE, HEAT SHRINKABLE POLYVINYLIDENE FLUORIDE PVdF TUBING


Applications

DUNBAR-1650F is a flexible, thin wall, flame retardant, heat shrinkable polyvinylidene fluoride (PVdF) 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
- ★ Continuous operating temperature: - 55°C to 150°C
- ★ Flammability: UL VW-1, CSA OFT
- ★ Thin wall
- ★ High resistance to chemicals and oils

Standard

- ★ MIL-DTL-23053/18 Class 2
- ★ UL 224 (File Number: E319303) 
- ★ RoHS Compliant

Specification Values

	Property	Test Method	Value
Physical	Tensile strength	51 mm/minute	Minimum 3500 psi
	Elongation		Minimum 300%
	Deformation	150°C/1 hr	Max. 50%
	Heat shock	275°C/4 hrs	No cracking, flowing or dripping
	Cold bend	- 55°C/4 hrs	No cracking
	Specific Gravity	-	1.9 Maximum
	Secant Modulus	2% strain	25,000 ~ 120,000 psi
Electrical	Dielectric strength	Room temp.	400 volts/mil
	Volume resistivity	Room temp.	Min. 10 ¹⁰ Ω - cm
Chemical	Copper corrosion	160°C/168 hrs	No corrosion of bare copper
	Fungus Resistance	-	No growth
	Flammability	-	Pass

Rev. June 2009



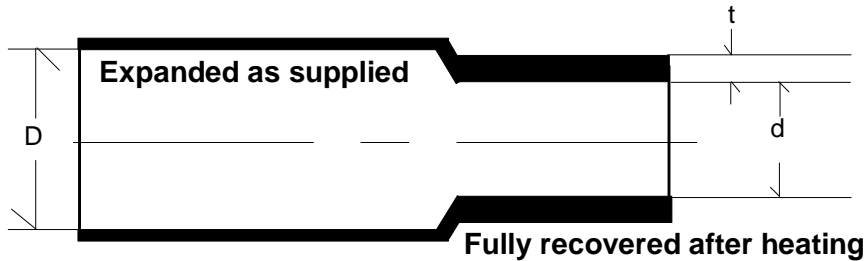
Dunbar Associates
Your Stocking Partner for Quality Components

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Product Dimensions

Minimum Shrink Temperature: 125°C
 Minimum Full Recovery Temperature: 150°C

Size	Expanded		Recovered				Standard Spool Length
	Internal Diameter (Minimum) (D)		Internal Diameter (Maximum) (d)		Minimum Wall Thickness (t)		
Inch Size	In.	mm	In.	mm	In.	mm	Ft.
3/64"	0.047	1.2	0.023	0.58	0.008	0.203	500
1/16"	0.063	1.6	0.031	0.79	0.008	0.203	500
3/32"	0.094	2.4	0.046	1.17	0.009	0.229	500
1/8"	0.125	3.2	0.062	1.57	0.009	0.229	500
3/16"	0.188	4.8	0.093	2.36	0.009	0.229	250
1/4"	0.251	6.4	0.125	3.18	0.011	0.279	250
3/8"	0.377	9.6	0.187	4.75	0.011	0.279	200
1/2"	0.503	12.8	0.250	6.35	0.011	0.279	200
3/4"	0.759	19.3	0.375	9.53	0.014	0.356	100
1"	1.000	25.6	0.500	12.7	0.016	0.406	100

Standard Color: Clear & Black
 Optional Color(s): Available, please inquire

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