



## DUNBAR – FK150

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

### Applications

DUNBAR-FK150 is a flexible, thin wall, flame retardant, heat shrinkable polyvinylidene fluoride (PVdF) tube. It is designed 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
- ★ Thin wall
- ★ High resistance to chemicals and oils

### Standard

- ★ AMS-DTL-23053/18 Class 2 (Formerly MIL-DTL-23053/18 Class 2)
- ★ RoHS Compliant

### Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	ASTM D638	Min. 2500 psi
		Elongation		Min. 300%
	Aged	Elongation	225 °C/168 hrs	Min. 250%
	Fluid Resistance	Tensile strength	24 °C/24 hrs	Min. 2000 psi
		Elongation	6 Fluids	Min. 250%
	Concentricity		ASTM D2671	Min. 70%
	Heat shock		275 °C/4 hrs	No cracking, flowing or dripping
	Low Temp. Flexibility		- 55 °C/4 hrs	No cracking
	Specific Gravity		ASTM D792	Max. 2.00
	Secant Modulus		ASTM D882	25,000 ~ 100,000 psi
Electrical	Dielectric strength		ASTM D2671	Min. 400 volts/mil
	Volume resistivity		ASTM D876	Min. 10 <sup>11</sup> Ω - cm
Chemical	Copper corrosion		160 °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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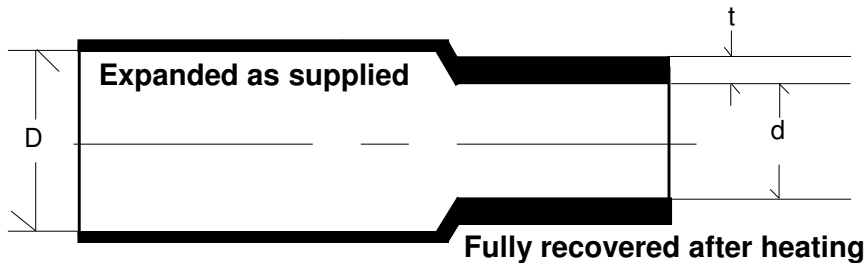
**Dunbar Products, LLC**  
Tubing and Identification Products

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## Product Dimensions

Minimum Shrink Temperature: 125°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"	0.046	1.17	0.023	0.58	0.008	0.203	500
1/16"	0.063	1.60	0.031	0.79	0.008	0.203	500
3/32"	0.093	2.36	0.046	1.17	0.008	0.203	500
1/8"	0.125	3.18	0.062	1.58	0.008	0.203	500
3/16"	0.187	4.75	0.093	2.36	0.008	0.203	250
1/4"	0.250	6.35	0.125	3.18	0.009	0.280	250
3/8"	0.375	9.53	0.187	4.75	0.009	0.280	200
1/2"	0.500	12.70	0.250	6.35	0.009	0.280	200
3/4"	0.750	19.10	0.375	9.53	0.014	0.356	100
1"	1.000	25.40	0.500	12.7	0.016	0.407	100

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

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