



DUNBAR-CMWT-FR

3:1 SHRINK RATIO, FLEXIBLE, SEMI-RIGID, MEDIUM WALL, FLAME-RETARDANT, ADHESIVE-LINED POLYOLEFIN TUBING


Applications

DUNBAR-CMWT-FR is designed to provide reliable performance as well as excellent mechanical and environmental protection. DUNBAR-CMWT-FR is designed for sealing and insulation of cable splices, electrical connections, terminations, and jacket repairs. Ideally suited for shipboard, submersible, direct-buried installations, or wherever tougher mechanical protection is required in an electrical insulation system.

Features

- ★ Shrink ratio: 67% or more in the radial direction, 20% or less in the axial direction
- ★ In stock for immediate shipments
- ★ Operating temperature range: -55 °C (-67 °F) to 125 °C (230 °F)
- ★ Flammability: UL VW-1, CSA OFT
- ★ High Carbon Black composition to resist UV radiation
- ★ Exceptional flexibility prior to recovery

Standards

- ★  UL 224: VW-1, 125 °C, 600 V (File Number E319303)
- ★ Declared Dimensional Life (DDL) – 10 Years
- ★ ABS File No. 02-SE23285-X
- ★ REACH & RoHS Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	ASTM D638	Min. 1200 psi
		Elongation		Min. 200%
	Aged	Tensile Strength	ASTM D638	Min. 1000 psi
		Elongation		Min. 100%
	Fluid Resist.	Tensile Strength	24 °C/24 hrs 6 Fluids	Min. 750 psi
		Dielectric Strength		Min. 200 Volts/mil
	Low Temperature Flex		-55 °C x4 hrs	No cracks
Heat Shock		225 °C x4 hrs	No cracks, flowing, or dripping	
Secant Modulus		ASTM D882	Max. 25,000 psi	
Electrical	Dielectric Strength		ASTM D2671	Min. 200 Volts/mil
	Volume Resistivity		ASTM D876	Min. 10 ¹³ Ω · cm
Chemical	Copper Corrosion		121 °C/16 hrs	No corrosion
	Fungus Resistance		ASTM G21	No growth
	Water Absorption		ASTM D570	Max. 0.5%
	Flammability		ASTM D2671	Pass

Rev. September 2024



Dunbar Products, LLC
Tubing and Identification Products

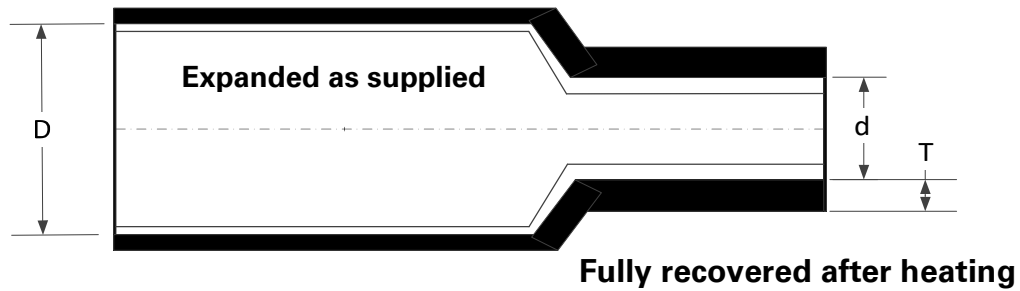


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Product Dimensions

Minimum Shrink Temperature: 120 °C

Size	Expanded		Recovered			
	As Supplied ID* (Minimum) (D)		Internal Diameter (Maximum) (d)		Wall Thickness (Minimum) (T)	
	in	mm	in	mm	in	mm
300 (7.6 mm)	0.300	7.6	0.100	2.5	0.035	0.9
400 (10.2 mm)	0.400	10.2	0.150	3.8	0.040	1.0
750 (19.1 mm)	0.750	19.1	0.220	5.6	0.040	1.0
1100 (27.9 mm)	1.100	27.9	0.375	9.5	0.070	1.8
1300 (33.0 mm)	1.300	33.0	0.375	9.5	0.070	1.8
1500 (38.1 mm)	1.500	38.1	0.500	12.7	0.080	2.0
1700 (43.2 mm)	1.700	43.2	0.500	12.7	0.095	2.4
2000 (50.8 mm)	2.000	50.8	0.750	19.1	0.095	2.4
2700 (68.6 mm)	2.700	68.6	0.900	22.9	0.105	2.7
3000 (76.2 mm)	3.000	76.2	1.250	31.8	0.105	2.7
4000 (101.6 mm)	4.000	101.6	1.750	44.5	0.105	2.7
4500 (114.3 mm)	4.500	114.3	1.750	44.5	0.115	2.9
5500 (140 mm)	5.500	139.7	1.650	42.0	0.140	3.6

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*Supplied ID is for uncoated product. An allowance of approximately 0.050" may be necessary depending on coating.

Available Colors – Black & Red



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