



J. M. Engineering Co.

A Complete Process Control automation

Dual Wall Heat Shrink Tubing

Heat Shrink Sleeve



Dual Wall Adhesive-Lined Heat-Shrink Polyolefin Tubing W-1-SB(3X)



Dual Wall Adhesive-Lined Heat-Shrink Polyolefin Tubing

Adhesive lined heat shrink tubing with environmental sealing capability for a wide variety of electrical applications, including automotive and marine wire harness, wire splices, breakouts, and connector-to-cable transitions.

Features:

1. 3:1 shrink ratio
2. Longitudinal shrink ratio: $\leq +8\%$
3. Out jacket flame retardant, inner adhesive self-extinguished
4. Super sealing against water, moisture or other contaminants
5. Continuous operating temperature: $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
6. Shrink Temperature: 120°C

Dimensions

Size		As supplied	After Recovery			Standard Package
Inch	mm	Internal Diameter(mm)	Internal Diameter(mm)	Total Wall Thickness(mm)	Adhesive Thickness(mm)	Spool Length (m/spool)
1/8	3.2	3.2	1.0	0.90 ± 0.15	0.35 ± 0.10	200
3/16	4.8	4.8	1.6	1.00 ± 0.15	0.40 ± 0.10	100
1/4	6.4	6.4	2.20	1.25 ± 0.15	0.45 ± 0.12	100
5/16	7.9	7.9	2.70	1.30 ± 0.15	0.50 ± 0.12	100
3/8	9.5	9.5	3.20	1.40 ± 0.15	0.50 ± 0.12	50
1/2	12.7	12.7	4.20	1.70 ± 0.15	0.50 ± 0.12	36.6
5/8	15.0	15.0	5.20	1.80 ± 0.15	0.55 ± 0.15	30.5
3/4	19.1	19.1	6.30	1.95 ± 0.15	0.55 ± 0.15	30.5
1	25.4	25.4	8.50	2.05 ± 0.20	0.55 ± 0.15	30.5
1-1/4	30.0	30.0	10.20	2.20 ± 0.20	0.60 ± 0.15	24.4
1-1/2	39.0	39.0	13.50	2.50 ± 0.20	0.60 ± 0.15	18.3
2	50.0	50.0	17.00	2.80 ± 0.25	0.70 ± 0.15	12.2
5/2	64	64	21.00	3.00 ± 0.25	0.70 ± 0.15	6.1
3	75	75	25.00	3.00 ± 0.30	1.00 ± 0.20	1.22
7/2	90	90	30.00	3.00 ± 0.30	1.00 ± 0.20	1.22
4	100	100	34.00	3.00 ± 0.30	1.00 ± 0.20	1.22
5	125	125	42.00	3.00 ± 0.30	1.00 ± 0.20	1.22

2

J. M. Engineering Co.

Technical Data

Test Item	Test Method	Test Result
Tensile Strength(Mpa)	ASTM D2671	≥ 10.4
Elongation%	ASTM D2671	≥ 300
Tensile Strength after Aging(Mpa)	UL 224 158 $\times$ 168hr	≥ 7.3
Elongation after Aging%	UL 224 158 $^{\circ}\text{C} \times$ 168hr	≥ 200
Dielectric Strength	IEC 243	≥ 15
Volume Resistance($\Omega \cdot \text{cm}$)	ASTM D876	$\geq 1014 \Omega \cdot \text{cm}$

Hot Melting Adhesive Property

Test Item	Test Method	Test Result
Water absorption ratio:	ASTM-D570	$< 0.2\%$
Softing point	ASTM-E8	95°C
Strength of pearing(PE)	ASTM-D1000	120N/25m
Strength of pearing(AL)	ASTM-D1000	80N/25m

3

J. M. Engineering Co.