

Dual Wall Heat Shrink Tubing



Model: DHST-2X/DHST-3X/DHST-4X

Application:

Dual Wall Heat Shrinkable Tube is manufactured by co-extrusion of polyolefin and hot-melt adhesive. Designed to provide both insulation and sealing for protected articles. Used to protectable bundles wires and metal tubes against water and moisture.

- >Shrinking Ratio: 2:1, 3:1, 4:1
- >Approval: UL 125°C VW-1 600V
- >Meet: SAE-AMS-DTL-23053/4
- >Operating temperature: -45°C to +125°C
- >Minimum shrink temperature: 80°C
- >Minimum fully recovery temperature: 120°C
- >Standard color: Black
- >Special color: Red, Blue, White, Yellow
- >Clear (non-flame retardant jacket)

Technical Data:

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	>10.4MPa (min.)
Tensile strength after aging (158°C/168hrs.)	ASTM D 2671	Remains 70%
Elongation at break	ASTM D 2671	>300% (min.)
Elongation at break after aging (158°C/168hrs.)	ASTM D 2671	100% (min.)
Longitudinal shrinkage	UL 224	0 to -10%
Heat shock	250°C, 4hrs.	No cracking, no dropping
Cold bend (-30°C/1hr.)	ASTM D 2671	No cracking

Voltage withstand (AC 2500V/ 60 seconds)	ASTM D 2671	No breakdown
Volume resistance	ASTM D 876	>1014Ω.cm (min.)
Flammability	SAE-AMS-DTL-23053/4	Self-extinguish in 30sec.
Copper corrosion (158°C/168hrs.)	UL 224	Pass
Water absorption	ASTM D 570	<0.5%

DHST-2X

Specs.		As Supplied I.D. (mm) (Min)	After Recovery (mm)			Standard length (m/spool)
Size (mm)	Inch		W.T. (Nom)	W.T of Adhesive	I.D. (Max)	
Φ 1.6	1/16	≥1.6	0.60±0.15	0.30±0.1	≤0.8	200
Φ 2.4	3/32	≥2.4	0.70±0.15	0.35±0.1	≤1.2	200
Φ 3.2	1/8	≥3.2	0.70±0.15	0.35±0.1	≤1.6	200
Φ 4.8	3/16	≥4.8	0.80±0.15	0.40±0.1	≤2.4	100
Φ 6.4	1/4	≥6.4	0.80±0.15	0.40±0.1	≤3.2	100
Φ 7.9	5/16	≥7.9	0.90±0.15	0.45±0.1	≤3.9	100
Φ 9.5	3/8	≥9.5	0.90±0.15	0.45±0.1	≤4.8	50
Φ 12.7	1/2	≥12.7	0.95±0.20	0.45±0.1	≤6.4	1.22
Φ 15.9	5/8	≥15.9	0.95±0.20	0.45±0.1	≤7.9	1.22
Φ 19.1	3/4	≥19.1	1.00±0.20	0.45±0.1	≤9.5	1.22
Φ 25.4	1	≥25.4	1.10±0.20	0.50±0.1	≤12.7	1.22
Φ 31.8	1-1/4	≥31.8	1.15±0.20	0.50±0.1	≤15.0	1.22
Φ 44.5	1-3/4	≥44.5	1.35±0.20	0.55±0.1	≤22.0	1.22
Φ 50.8	2	≥50.8	1.50±0.25	0.60±0.1	≤25.4	1.22

DHST-3X

Specs.		As Supplied I.D. (mm) (Min)	After Recovery (mm)			Standard length (m/spool)
Size (mm)	Inch		W.T. (Nom)	W.T of Adhesive	I.D. (Max)	
φ3.2	1/8	3.2	0.95±0.15	0.40±0.10	1.00	200
φ4.8	3/16	4.8	1.10±0.15	0.40±0.10	1.60	100
φ6.4	1/4	6.4	1.20±0.15	0.45±0.10	2.20	100
φ7.9	5/16	7.9	1.35±0.15	0.50±0.10	2.70	100
φ9.5	3/8	9.5	1.45±0.20	0.50±0.15	3.20	50

φ12.7	1/2	12.7	1.70±0.20	0.55±0.15	4.20	1.22
φ15.0	5/8	15.0	1.80±0.20	0.50±0.15	5.20	1.22
φ19.1	3/4	19.1	2.00±0.20	0.50±0.15	6.30	1.22
φ25.4	1	25.4	2.10±0.25	0.50±0.15	8.50	1.22
φ30.0	1-1/4	30.0	2.20±0.25	0.60±0.15	10.20	1.22
φ39.0	1-1/2	39.0	2.40±0.25	0.60±0.15	13.50	1.22
φ50.0	2	50.0	2.70±0.25	0.80±0.15	17.00	1.22

DHST-4X

Normal size		As supplied (mm)	After recovered (mm)			Standard length (m/spool)
(mm)	(inch)		Inside diameter (Min.)	Inside diameter (Max.)	Total wall thickness	
4/1	2/13	4.0	1.0	1.0±0.15	0.4±0.15	200
6/1.5	1/4	6.0	1.5	1.1±0.15	0.4±0.15	100
8/2	5/16	8.0	2.0	1.2±0.15	0.5±0.15	1.22
12/3	1/2	12.0	3.0	1.4±0.15	0.5±0.15	1.22
16/4	5/8	16.0	4.0	1.7±0.15	0.6±0.15	1.22
20/5	15/19	20.0	5.0	2.0±0.25	0.6±0.15	1.22
24/6	1	24.0	6.0	2.1±0.25	0.6±0.15	1.22
32/8	1-1/4	32.0	8.0	2.4±0.25	0.7±0.15	1.22
52/13	2	52.0	13.0	2.4±0.25	0.7±0.15	1.22

*Special size, cutting pieces are available on request.