

**Part Number** DWT-MWTA

**Header** DWT-MWTA Medium Wall Polyolefin Heat Shrink Tubing With Adhesive Liner

**Description** Thermosleeve-USA DWT-MWTA medium wall heat shrink tubing with adhesive liner provides good electrical insulation and has high resistance to impact and abrasion. When heated, the internal adhesive flows to form a positive seal creating an excellent barrier against moisture. Especially designed for reliable performance, DWT-MWTA tubing is manufactured to cover a broader range of applications in fewer sizes *due to its bigger* shrink ratios. DWT-MWTA has a minimum shrink temperature rating of 120 degrees C (248 degrees F). DWT-MWTA is also available without adhesive liners...see Thermosleeve part number MWT

**Agency Approval & Compliance** ROHS, Halogen free, SAE, Flame Retardant, UL224, REACH

**Application** DWT-MWTA heat shrink tubing with adhesive liner is designed to seal and protect components and electrical splices from moisture and corrosion. Widely used to provide insulation and strain relief cover to both wire terminations and electrical connectors, the adhesive liner bonds to a wide variety of materials including plastics, rubbers and metals. DWT-MWTA shrinks quickly, requires no special skills and is easy to use.

**Shrink Ratio and Operating Temperature** DWT-MWTA shrink ratios range between 3:1 and 4:1...please consult the Thermosleeve website for specific sizes and shrink ratios. The tubing's wall thickness will also change proportionally to the degree of recovery.

DWT-MWTA has a continuous operating temperature rating of -55 degrees C (-67 degrees F) and 110 degrees C (230 degrees F)

**Standard Sizes and Dimension**



Size		As supplied (mm)	After Recovery (mm)		Packing Length (Mt/roll)
(mm)	(inch)	Inside Diameter (D)	Inside Diameter (d)	Wall Thickness (t)	
Φ8	5/16"	≥8.0	≤2.0	≥1.7	1.00、1.22
Φ9		≥9.0	≤3.0	≥1.9	1.00、1.22
Φ10	3/8"	≥10.0	≤3.0	≥1.9	1.00、1.22
Φ12	1/2"	≥12.0	≤3.0	≥2.0	1.00、1.22
Φ13		≥13.0	≤4.0	≥2.0	1.00、1.22
Φ16	5/8"	≥16.0	≤5.0	≥2.2	1.00、1.22
Φ19	3/4"	≥19.0	≤5.0	≥2.2	1.00、1.22
Φ22		≥22.0	≤6.0	≥2.5	1.00、1.22
Φ28	1 1/8"	≥28.0	≤6.0	≥2.5	1.00、1.22
Φ33	1 1/4"	≥33.0	≤8.0	≥2.5	1.00、1.22
Φ40	1-9/16"	≥40.0	≤12.0	≥2.7	1.00、1.22

Φ45	1-3/4"	≥45.0	≤12.0	≥2.7	1.00、1.22
Φ55	2-3/16"	≥55.0	≤16.0	≥2.8	1.00、1.22
Φ60		≥60.0	≤19.0	≥2.8	1.00、1.22
Φ65	2 1/2"	≥65.0	≤19.0	≥2.8	1.00、1.22
Φ70		≥70.0	≤22.0	≥3.0	1.00、1.22
Φ75	3"	≥75.0	≤22.0	≥3.0	1.00、1.22
Φ80		≥80.0	≤22.0	≥3.0	1.00、1.22
Φ85	3 1/2"	≥85.0	≤25.0	≥3.0	1.00、1.22
Φ95	4"	≥95.0	≤25.0	≥3.0	1.00、1.22
Φ115	4 1/2"	≥115.0	≤34.0	≥3.2	1.00、1.22
Φ140	5 1/2"	≥140.0	≤42.0	≥3.3	1.00、1.22
Φ160	6 3/8"	≥160.0	≤50.0	≥3.3	1.00、1.22
Φ180	7"	≥180.0	≤58.0	≥3.3	1.00、1.22
Φ205	8"	≥205.0	≤65.0	≥3.3	1.00、1.22

#### Typical Properties

Item	Specifications
Shrink Temperature (°C)	120°C
Temperature Range (°C)	-55°C-110°C
Longitudinal Change (%)	5%
Tensile Strength (MPa)	14MPa
Ultimate Elongation (%)	400%
Tensile Strength (MPa) - After Aging	13MPa
Ultimate Elongation (%) - After Aging	≥380%
Dielectric Voltage Withstand (kV/mm)	21
Volume Resistivity (Ω.cm)	1X10 <sup>14</sup> Ω.cm
Dielectric Strength (kV/mm)	21kV/mm
Concentricity (%)	70
Cracking Resistance	No Cracking
Cold blend(-55°C/4hrs)	No cracking

Copper corrosion	No corrosion
Water Absorption	0.15%
Softening Point	85
Peel Strength	8
Antibacterial Property	Pass

**Availability** Four-foot lengths and cut pieces

**Important Notice** All information contained in this data sheet is believed to be reliable and accurate. It is advised however that the end user of this material evaluate the suitability of the product for their specific application.

**Limited Warranty/Limited Liability** Thermosleeve-USA offers no guarantees in respect to the accuracy of the information detailed in this document and accepts no explicit or applied liability as to the products use. In no instance will Thermosleeve-USA be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product. Thermosleeve-USA specifications are subject to change without notice; including changes in materials and processing that do not affect compliance of the products specification. Thermosleeve-USA guarantees the product to be free from defects in material and manufacturing at the time of purchase. If this product is found to be defective within the warranty period, at our option we will refund the purchase price, replace or repair the Thermosleeve-USA product.