

Part Number DWT-HWTA6X

Header DWT-HWTA6X Adhesive-Lined Dual Wall Heat Shrink

Description DWT-HWTA6X is a high shrink ratio, heavy wall irradiated polyolefin heat shrink tubing with an adhesive liner that provides excellent mechanical protection to cable joints and terminations. When heated to a minimum of 120 degree C (248 degrees F), DWT-HWTA6X will begin to shrink and the adhesive will flow freely around the substrate. The adhesive will bond to a variety of materials including metals, plastics and rubbers. Once cooled, the adhesive will solidify and provide an excellent barrier against moisture.

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

Application DWT-HWTA6X series of tubing can be used in a variety of applications where extreme differences in size exist between cables, connectors and components. DWT-HWTA6X high shrink ratios allows for a close fit on a wide variety of irregular shapes and configurations

Shrink Ratio and Operating Temperature DWT-HWTA6X has a 6:1 shrink ratio. When fully recovered, the 6:1 material will shrink to sixteen percent (16%) of its original supplied diameter. The tubing's wall thickness will also change proportionally to the degree of recovery.

Operating temperature range is from -55 degree C to 110 degrees C (-67 degrees F to 230 degrees F) and the minimum shrink temperature is 120 degree C (248 degrees F)

Standard Sizes and Dimension


Size (inches)	Size (mm)	As supplied	Recovered		Shape/Style	Std Length (mm)
		(D) Inside Dia. (mm, Min.)	(d) Inside Dia. (mm, Max.)	(T) Wall thickness (mm, Min.)		
3/4"	19.0/3.2	19	3.2	3.2	O	1000-1220
1-3/8"	33.0/5.5	33	5.5	3.4	O	1000-1220
1-3/4"	44.4/7.7	44.4	7.4	3.6	O	1000-1220
2"	50.8/8.3	50.8	8.3	4.3	O	1000-1220
2-3/4"	69.8/11.7	69.8	11.7	4.7	O	1000-1220
3-1/2"	88.9/17.1	88.9	17.1	4.7	O	1000-1220
4-3/4"	119.4/22.9	119.4	22.9	4.7	O	1000-1220

Technical Data

Property	Test Method	Typical Data
Operating Temperature	IEC 216	-55°C - 110°C
Tensile strength	ASTM D2671	≥14.2MPa
Elongation at break	ASTM D2671	≥450%
Elongation at break after aging	ASTM D2671/150°C, 168hrs	≥400%

Longitudinal shrinkage	UL224	5%
Dielectric strength	IEC243	≥21kV/mm
Volume Resistivity	IEC93	≥10 ¹⁴ Ω·cm
Concentricity	ASTM D2671	70
Adhesive		
Water absorptivity	ISO 62	≤0.15%
Softening Point	ASTM-E28	85°C
Peel Strength (PE)	DIN 30672	8N/cm
Copper stability	ASTM D2671	Pass
Resistance to fungus and decay	ISO 846	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.

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