



**Part Number** NSPA-HST6

**Header** NSPA-HST6 Adhesive-Lined Dual Wall Heat Shrink

**Description** NSPA-HST6 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), NSPA-HST6 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, VW1

**Application** NSPA-HST6 series of tubing can be used in a variety of applications where extreme differences in size exist between cables, connectors and components. NSPA-HST6 high shrink ratios allows for a close fit on a wide variety of irregular shapes and configurations

**Shrink Ratio and Operating Temperature** NSPA-HST6 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
3"	88.9/17.1	88.9	17.1	4.7	O	1000-1220
4"	119.4/22.9	119.4	22.9	4.7	O	1000-1220

**Technical Data**

Property	Test Method	Typical Data
Tensile strength	ASTM D2671	≥14MPa
Elongation at break	ASTM D2671	≥400%
Elongation at break after aging	ASTM D2671/150°C, 168hrs	≥300%
Density	ASTM D792	1.05g/cm <sup>3</sup>
Eccentricity	ASTM D2671	< 30%
Longitudinal shrinkage	UL224	0-10%

Dielectric strength	IEC243	≥20kV/mm
Volume resistivity	IEC93	≥10 <sup>14</sup> Ω·cm
Copper stability	ASTM D2671	Pass
Water absorptivity	ISO 62/23°C, 14days	< 0.15%
Adhesive		
Water absorptivity	ISO 62	< 0.2%
Softening Point	ASTM-E28	85°C
Peel Strength PE	DIN 30672	4N/cm
Copper stability	ASTM D2671	Non-corrosive
Resistance to fungus and decay	ISO 846	Pass

**Availability** Four-foot lengths, and cut pieces. Available in various colors

**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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