



ELECTRONICS, INC.  
 44 FARRAND STREET  
 BLOOMFIELD, NJ 07003  
 (973) 748-5089  
<http://www.nteinc.com>



## Heat Shrink Tubing Thick Wall w/Adhesive 3:1 Shrink Ratio

### **Description:**

NTE's Thick Wall Heat Shrink Tubing is polyolefin based heat-shrinkable tubing suitable for a wide range of telecom and power applications like joints and cable repair. This tough, durable tubing provides protection for electrical connections in the most adverse conditions including direct burial, URD, and submersible installations.

### **Technical Data:**

Properties	Test Method	Typical Value
<b>Physical</b>		
Tensile Strength	ASTM D 638	14 N/mm <sup>2</sup>
Elongation at Break	ASTM D 638	400%
Longitudinal Change	ASTM D 2671	+0%, -10% Maximum
Water Absorption	ASTM D 570	< 0.15% Maximum
<b>Chemical</b>		
Fungus Resistance	ISO 846 Meth. A	Rate I
Copper Corrosion	ASTM D 2671 B	Good
<b>Thermal</b>		
Continuous Operating Temperature		-40° to +120°C
Minimum Shrink Temperature		> +110°C
Heat Shock (4 Hours at +250°C)	ASTM D 2671	No Dripping, Cracking or Flowing
Heat Aging (168 Hours at +150°C)	ASTM D 638	Ultimate Elongation 300%
Low Temperature Flexibility (-55°C)	ASTM D 2671 C	No Cracking (Outer Wall <b>Only</b> )
<b>Electrical</b>		
Voltage Rating		1000V
Dielectric Strength	ASTM D 2671	17kV/mm
Volume Resistivity	ASTM D 257	10 @ 14 ohm.cm

**NOTE: July 2018 – NTE certifies that the materials contained in this product meet the requirements of California Prop 65.**

### **Products Covered:**

NTE Catalog Number	Size (inch)	I.D. (in mm)		Rec. Wall Thickness (mm)
		Exp. (min)	Rec. (max)	
<b>48"</b>				
47-400124-BK	.470	12	3	2.5
47-400206-BK	.750	19	6	2.7
47-400328-BK	1.250	31	8	4.0
47-404013-BK	1.770	45	12	4.0
47-405517-BK	2.040	52	15	4.1
47-407222-BK	2.830	72	20	4.2
47-409029-BK	3.620	92	26	4.3
47-412040-BK	4.720	120	34	4.6