



Heat Shrink Tubing Dual Wall w/Adhesive, 3:1 Shrink Ratio (Includes Assortment Packs)

Description:

NTE's Dual Wall Heat Shrink Tubing is flexible, polyolefin based heat–shrinkable tubing with a thermoplastic adhesive inner liner which flows when heated. After shrinkage and upon cooling, it provides a permanent flexible water proof barrier. This tubing is suitable for a wide range of applications, such as encapsulation cables, wires, electrical components and splices. The choice of high shrink ratios means more flexibility of usage such as in the covering of irregular shaped objects.

Standards:

MIL-DTL-23053/4, Class 3

Features:

Available in Black, Blue, Red, Green, Yellow, White, and Clear

Recommended Shelf Life:

• 6 years when stored at $T_A = +77^{\circ}F$ (+25°C), RH < 65%.

Technical Data:

Properties	Test Method	Typical Value	
Physical			
Tensile Strength	ASTM D 638	10 N/mm ²	
Elongation at Break	ASTM D 638	300%	
Longitudinal Change	ASTM D 2671	+5%, -10% Maximum	
Water Absorption	ASTM D 570	0.5%	
Specific Gravity	ASTM D 792	1.3	
Chemical			
Fungus Resistance	MIL-1-7444	Inert	
Fluid Resistance	MIL-1-23053/4	Good	
Copper Corrosion	ASTM D 2671 B	Good	
Thermal			
Continuous Operating Temperature		–55° to +125°C	
Minimum Shrink Temperature		> +110°C	
Heat Shock (4 Hours at +250°C)	ASTM D 2671	No Dripping, Cracking or Flowing of Outer Wall	
Heat Aging (168 Hours at +150°C)	ASTM D 638	Elongation 300%	
Low Temperature Flexibility (-55°C)	ASTM D 2671 C	No Cracking	
Flammability (Outer Wall ONLY)	UL 224	Pass (Except Clear)	
Electrical			
Voltage Rating		1000V	
Dielectric Strength	ASTM D 2671	15kV/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: (Note 1)

NTE Catalog Number		Size (inch)	I.D. (iı	n mm)	Rec. Wall Thickness	Adhesive Thickness	
48"	6"	(IIICII)	Ехр.	Rec.	(mm)	(mm)	
47-23048-XX	47-25006-XX	1/8	3.0	1.0	0.4	0.3	
47-23148-XX	47–25106–XX	3/16	4.8	1.5	0.4	0.4	
47-23248-XX	47–25206–XX	1/4	6.0	2.0	0.4	0.4	
47-23348-XX	47-25306-XX	3/8	9.0	3.0	0.6	0.5	
47-23448-XX	47-25406-XX	1/2	12.0	4.0	0.7	0.7	
47-23548-XX	47-25506-XX	3/4	19.0	6.0	0.7	0.7	
47-23648-XX	47-25606-XX	1	24.0	8.0	0.7	0.7	
47-23748-XX	47-25706-XX	1 1/4	30.0	10.0	1.0	1.0	
47-23848-XX	47-25806-XX	1 1/2	40.0	13.0	1.0	1.0	

Note 1. Replace XX with: BK = Black, BL = Blue, R = Red, G = Green, Y = Yellow, W = White, CL = Clear.

Assorted Dual Wall Packages:

NTE Part No.	Color	Diameter (Inches)	Length (Inches)	Pieces	Bag/Box
HS-ASST-13	Black	1/8 (20 Pieces), 3/16 (16 Pieces), 1/4 (12 Pieces), 3/8 (10 Pieces), 1/2 (8 Pieces), 3/4 (6 Pieces)	4	72	Вох
HS-ASST-14	Black and Red	3/32 (75 Pieces Bk, 75 Pieces Rd), 1/8 (40 Pieces Bk, 40 Pieces Rd), 3/16 (10 Pieces Bk, 10 Pieces Rd), 1/4 (6 Pieces Bk, 10 Pieces Rd), 3/8 (4 Pieces Bk, 4 Pieces Rd)	1 3/4 1 3/4 3 1/2 3 1/2 3 1/2	270	Box