

# HEAT SHRINK TUBING PRODUCTS

## HEAT-SHRINKABLE TUBING

Thermosleeve HST Series is halogen-free, flame-retardant, polyolefin heat shrinkable tubing.

The typical properties are flame-retardant, good resistant to common fluids and solvents and high dielectric strength. So it is suitable for a wide range of applications, including electrical insulation, strain relief, cable bonding, color coding and identification of wires, cables, pipes, and electrical and electronic components. Our products are certified under the following standards:



ITEM	SPECIFICATIONS	
Shrink Temperature (°C)	90~120	
Operating Temperature Range (°C)	-55~125	
Radial Shrink Ratio (%)	≥2:1	
Longitudinal Change (%)	≤ ± 5	
Tensile Strength (MPa)	≥10.4	
Ultimate Elongation Ratio (%)	≥200	
Aging in Circulation-Air Oven	158.0 ± 1.0°C, 168 hrs.	
After Aging	Tensile Strength (MPa)	≥7.28
	Ultimate Elongation Ratio (%)	≥100
Volume Resistivity (Ω.cm)	10 <sup>14</sup>	
Dielectric Strength (kV/mm)	≥15	
Flammability	VW-1	
Concentricity (%)	≥65	

## 100 FT. HEAT SHRINK TUBING - ROLLS

Add the suffix for the color when ordering: black=BK, red=R, blue=BL, yellow=Y, clear=C, green=G, white=W and violet=V.

PART #	SIZE (inch)	SIZE(mm)	STD CTN
HST01(X)100	1"	Ø25	100 ft./roll
HST34(X)100	3/4"	Ø20	100 ft./roll
HST12(X)100	1/2"	Ø13	100 ft./roll
HST38(X)100	3/8"	Ø9.0	100 ft./roll
HST14(X)100	1/4"	Ø6.5	100 ft./roll
HST316(X)100	3/16"	Ø4.5	100 ft./roll
HST18(X)100	1/8"	Ø3.0	100 ft./roll
HST332(X)100	3/32"	Ø2.0	100 ft./roll
HST116(X)100	1/16"	Ø1.5	100 ft./roll
HST364(X)100	3/64"	Ø1.0	100 ft./roll

Sizes available to 5" call for pricing

## 4 FT. HEAT SHRINK TUBING - STICKS

Add the suffix for the color when ordering: black=BK, red=R, blue=BL, yellow=Y, clear=C, green=G, white=W and violet=V.

PART #	SIZE (inch)	SIZE(mm)	STD CTN
HST01(X)4	1"	Ø25	4 ft./25 sticks
HST34(X)4	3/4"	Ø20	4 ft./25 sticks
HST12(X)4	1/2"	Ø13	4 ft./25 sticks
HST38(X)4	3/8"	Ø9.0	4 ft./25 sticks
HST14(X)4	1/4"	Ø6.5	4 ft./25 sticks
HST316(X)4	3/16"	Ø4.5	4 ft./25 sticks
HST18(X)4	1/8"	Ø3.0	4 ft./25 sticks
HST332(X)4	3/32"	Ø2.0	4 ft./25 sticks
HST116(X)4	1/16"	Ø1.5	4 ft./25 sticks
HST364(X)4	3/64"	Ø1.0	4 ft./25 sticks

## DUAL-WALL HEAT-SHRINKABLE TUBING

Manufactured by co-extrusion of irradiated cross-linking polyolefin and specifically designed hot melt adhesive. This tubing may be used in a wide variety of electrical applications, including back end connector sealing, breakouts, and connector to cable transitions. High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.



ITEM	SPECIFICATIONS	
Shrink Temperature (°C)	110	
Operating Temperature Range (°C)	-55~125	
Radial Shrink Ratio (%)	≥3:1	
Longitudinal Change (%)	≥10	
Tensile Strength (MPa)	≥10.4	
Ultimate Elongation Ratio (%)	≥200	
Aging in Circulation-Air Oven	158.0 ± 1.0°C, 168 hrs.	
After Aging	Tensile Strength (MPa)	≥7.3
	Ultimate Elongation Ratio (%)	≥7.3
Volume Resistivity (Ω.cm)	10 <sup>13</sup>	
Dielectric Strength (kV/mm)	≥15	
Flammability	VW-1	
Water Absorption (%)	Less than 0.4%	
Fluid Resistance	Excellent	
Copper Corrosion	No corrosion	
Softening Point (°C)	120+5	
Tissue Strength (N/25mm)	≥80	

## 4 FT. HEAT SHRINK TUBING - STICKS Available in Red and Black

PART #	SIZE (inch)	SIZE(mm)	STD CTN
DWHST01R4	1"	Ø25	4 ft./25 sticks
DWHST01BK4	1"	Ø25	4 ft./25 sticks
DWHST34R4	3/4"	Ø20	4 ft./25 sticks
DWHST34BK4	3/4"	Ø20	4 ft./25 sticks
DWHST12R4	1/2"	Ø13	4 ft./25 sticks
DWHST12BK4	1/2"	Ø13	4 ft./25 sticks
DWHST38R4	3/8"	Ø9.0	4 ft./25 sticks
DWHST38BK4	3/8"	Ø9.0	4 ft./25 sticks
DWHST14R4	1/4"	Ø6.5	4 ft./25 sticks
DWHST14BK4	1/4"	Ø6.5	4 ft./25 sticks
DWHST316R4	3/16"	Ø4.5	4 ft./25 sticks
DWHST316BK4	3/16"	Ø4.5	4 ft./25 sticks
DWHST18R4	1/8"	Ø3.0	4 ft./25 sticks
DWHST18BK4	1/8"	Ø3.0	4 ft./25 sticks

Sizes available to 2" call for pricing

HSTBOX158B & R



**2.5" BOXED HEAT SHRINK**

2:1 ratio; polyolefin  
Quantity/sizes: (60) 1/16", (40) 1/8",  
(20) 3/16", (18) 1/4", (10) 3/8", (10) 1/2"

PART #	COLOR	QTY/BOX
HSTBOX158B	BLACK	158
HSTBOX158R	RED	158

HSTBOX160  
HSTBOX 160B



**4" BOXED HEAT SHRINK**

2:1 ratio; polyolefin; Quantity/sizes:  
(60) 1/16", (35) 3/32", (25) 1/18", (20) 3/16",  
(10) 1/4", (10) 3/8". Colors: Black, Blue,  
Clear, Green, Red, White, Yellow

PART #	COLOR	QTY/BOX
HSTBOX160	VARIOUS†	158
HSTBOX160B	BLACK	158



**4" BOXED DUAL-WALL HEAT SHRINK**

3:1 ratio; polyolefin; adhesive lined  
Comes in the following qty/sizes:  
(20) 1/8", (20) 2/16", (10) 1/4", (5) 3/8",  
(5) 1/2", (2) 3/4"

PART #	COLOR	QTY/BOX
DHSTBOX62B	BLACK	62

HSTBAG1018



**6" BAGGED HEAT SHRINK - COLOR**

Comes in the following qty/colors:  
(2) Black, (1) Blue,  
(2) Clear, (1)  
Green, (2) Red,  
(1) White, (1) Yellow

PART #	SIZE	QTY/BAG
HSTBAG1018	1/8"	10
HSTBAG10316	3/16"	10
HSTBAG1014	1/4"	10
HSTBAG1038	3/8"	10

HSTBAG24



**6" BAGGED HEAT SHRINK - BLACK**

HSTBAG24 has 4 pieces per size: 3/32,  
1/8, 3/16, 1/4, 3/8, 1/2.  
All others are 10 pieces of each size.

PART #	QTY/BAG
HSTBAG24	24
HSTBAG2018	10
HSTBAG20316	10
HSTBAG2014	10
HSTBAG2038	10