



### Part Number HST SERIES

#### Header HST SERIES Commercial Grade Polyolefin Heat Shrink Tubing

**Description** Thermosleeve-USA HST SERIES is our most popular Series of heat shrink tubing and an excellent choice for many general and commercial applications. Economically priced, HST SERIES is very flexible, halogen free, flame retardant tubing made from a special blend of cross-linked polyolefin. Typical applications include strain relief of wire connectors; identifies or color codes wire and terminals; electrically insulates components, terminals and wire splices. HST SERIES is resistant to common fluids and solvents and has a shrink temperature rating of 90 degrees C (194 degrees F).

**Agency Approval & Compliance** UL, CUL, RoHS, Halogen Free, Flame Retardant, FMark, UL224, REACH, VW1

**Application** HST SERIES heat shrink tubing is free of Pb, Cd, Hg, Cr+6, PBB and PBDE. CB-HFT and can be used in any enclosed area where a flame-retardant, halogen-free environment is required, such as metro, skyscrapers, mass transit vehicles and ships.

**Shrink Ratio and Operating Temperature** HST SERIES has a 2:1 shrink ratio and when fully recovered, the 2:1 material will shrink to one half (50%) of its original supplied diameter.

HST SERIES has a continuous operating temperature rating of -55 degrees C (-67 degrees F) and 125 degrees C (257 degrees F).

#### Standard Sizes and Dimension



Part No.	Size (mm)	Size (in)	Standard Color	Standard Ctn
HST364(X)100	1.2	3/64"	black	100 ft/roll
HST116(X)100	1.6	1/16"	black	100 ft/roll
HST332(X)100	2.4	3/32"	black	100 ft/roll
HST18(X)100	3.2	1/8"	black	100 ft/roll
HST316(X)100	4.8	3/16"	black	100 ft/roll
HST14(X)100	6.4	1/4"	black	100 ft/roll
HST38(X)100	9.5	3/8"	black	100 ft/roll
HST12(X)100	12.7	1/2"	black	100 ft/roll
HST34(X)100	19.1	3/4"	black	100 ft/roll
HST01(X)100	25.4	1"	black	100 ft/roll

Available in the following colors: Black, Red, Blue, Yellow, Green, White, Clear, Violet

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**Typical Properties**

Item	Specifications
Shrink Temperature (°C)	120-150
Temperature Range (°C)	125
Radial Shrinking Ratio (%)	≥50
Longitudinal Change (%)	≤5
Tensile Strength (MPa)	≥10.4
Ultimate Elongation (%)	≥200
Aging in Circulating-air Oven	158.0±1.0°C, 168hrs
Tensile Strength (MPa) - After Aging	≥7.3
Ultimate Elongation (%) - After Aging	≥100
Dielectric Voltage Withstand (V)	600
Volume Resistivity (Ω.cm)	≥10 <sup>14</sup> sup>
Dielectric Voltage (V) AC	AC2500V-60S, No breakdown
Dielectric Strength (kV/mm)	≤15
Flammability	VW-1
Concentricity (%)	≥65
Heat Shock	4 hr@250.0 ±1.0°C, No cracking
Cold Shock	1 hr@-30.0 ±1.0°C, No cracking
Copper Corrosion	24Hr@95%±5, 2°C, No cracking or fading
Dielectric Strength (@1min, AC2500V)	

**Availability** Four-foot lengths, One hundred foot mini reels, master reels and cut pieces

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