



Part Number HS4

Header HS4 Over Expanded Commercial Grade Polyolefin Heat Shrink Tubing

Description Wire-Run HS4 is an excellent choice for many special applications where an over expanded material is required. HS4 is flexible, halogen free, flame retardant tubing manufactured from a special blend of cross-linked polyolefin and is recommended for applications including cable repair or when insulation is required for assemblies that have oversized components or connectors. HS4 higher shrink ratios accommodate irregular shapes and a wide range of bundle diameters without a large degree of longitudinal change. Resistant to common fluids and solvents, HS4 has a shrink temperature rating of 90 degrees C (194 degrees F).

Agency Approval & Compliance

Application HS4 heat shrink tubing is free of Pb, Cd, Hg, Cr+6, PBB and PBDE. HS4 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 HS4 has a 4:1 shrink ratio and when fully recovered, the 4:1 material will shrink to one third (25%) of its original supplied diameter.

HS4 has a continuous operating temperature rating of -55 degrees C (-67 degrees F) and 125 degrees C (257 degrees F)

Standard Sizes and Dimension



Specifications

Size (inch)	Size (mm)	As Supplied (mm)		After Recovery (mm)	
		Min. Inside Diameter (D)	Nominal Wall-thickness (T)	Max. Inside Diameter (d)	Wall-thickness (t)
1/2"	Φ12.0/3.0	12.5±0.5	0.30±0.15	3	1.00±0.15
3/4"	Φ20.0/5.0	20.5±0.5	0.30±0.15	5	1.00±0.15
1"	Φ25.0/6.25	25.5±0.5	0.40±0.20	6.25	1.40±0.20

Typical Properties

Item	Specifications
Shrink Temperature (°C)	100 ~ 140
Temperature Range (°C)	125
Radial Shrinking Ratio (%)	4:1
Longitudinal Change (%)	≤15
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 ¹⁴
Dielectric Voltage (V) AC	
Dielectric Strength (kV/mm)	≥15
Flammability	VW-1
Concentricity (%)	≥70
Heat Shock	
Cold Shock	

Availability Four-foot lengths, master reels and cut pieces, Available in black and various colors

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