

Part Number CB-HFT1000

Header CB-HFT1000 Military Spec Cross-linked Polyolefin Heat Shrink Tubing

Description Thermosleeve-USA CB-HFT1000 is our premium grade series of heat shrink tubing and is also an excellent choice for many general and commercial applications. CB-HFT1000 offers outstanding all round performance, is very flexible flame retardant tubing made from a special blend of cross-linked polyolefin. CB-HFT1000 has a minimum shrink temperature rating of 100 degrees C (212 degrees F), offers superior chemical resistant properties and out performs many general-purpose polyolefin tubing.

Agency Approval & Compliance UL, CUL, ROHS, Halogen Free, MIL, Flame Retardant, FMark, UL224, REACH, VW1

Application CB-HFT1000 heat shrink tubing is widely used to provide insulation and strain relief cover to both wire terminations and electrical connectors. Other general applications include wire marking coding and general insulation for light harness assemblies.

Shrink Ratio and Operating Temperature CB-HFT1000 is available with either a 2:1 or 3:1 shrink ratio. When fully recovered, the 2:1 material will shrink to one half (50%) of its original supplied diameter and the 3:1 material will shrink to one third (33%) of its original supplied diameter. The tubing's wall thickness will also change proportionally to the degree of recovery.

CB-HFT1000 has a continuous operating temperature rating of -55 degrees C (-67 degrees F) and 125 degrees C (257 degrees F)

Standard Sizes and Dimension



Size 2X					
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)
3/64	1.2	1.5±0.3	0.21±0.08	0.6	0.41±0.08
1/16"	1.6	2.0±0.3	0.21±0.08	0.8	0.43±0.08
3/32	2.4	2.7±0.3	0.25±0.08	1.2	0.51±0.08
1/8"	3.2	3.5±0.3	0.25±0.08	1.6	0.51±0.08
3/16"	4.8	5.1±0.4	0.25±0.08	2.4	0.51±0.08
1/4"	6.4	6.8±0.4	0.32±0.10	3.2	0.64±0.08
3/8"	9.5	9.9±0.4	0.35±0.10	4.8	0.64±0.08
1/2"	12.7	13.2±0.4	0.33±0.10	6.4	0.64±0.08
3/4"	19.1	19.7±0.8	0.38±0.12	9.5	0.76±0.12
1"	25.4	26.0±1.0	0.45±0.15	12.7	0.90±0.15
1-1/2"	38.1	40.0±1.0	0.52±0.20	19.1	1.02±0.20
2"	50.8	51±1.0	0.57±0.20	25.4	1.14±0.20
3"	76.2	77.2±2.0	0.63±0.20	38.1	1.27±0.20
4"	100	102.5±2.0	0.70±0.20	50.8	1.4±0.23

Size 3X					
1"	25.4	25.4±1.0	0.20±0.05	8.5	0.64±0.08
2"	50.8	50.8±1.0	0.30±0.06	17.0	1.10±0.08

Typical Properties

Item	Specifications
Shrink Temperature (°C)	100°C - 140°C
Temperature Range (°C)	125
Radial Shrinking Ratio (%)	≥50
Longitudinal Change (%)	-55 ~ +5
Tensile Strength (MPa)	≥10.4MPa
Ultimate Elongation (%)	200
Aging in Circulating-air Oven	175±2.0 °C, 168Hrs
Tensile Strength (MPa) - After Aging	6.9MPa
Volume Resistivity (Ω.cm)	1012
Dielectric Strength (kV/mm)	15.8kv/mm
Concentricity (%)	≥50
Heat Shock	No cracks, flowing or dripping
Copper Corrosion	No corrosion

Availability Four-foot lengths, master reels and cut pieces

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