

Part Number CB-HFT1000

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

Description Thermosleeve/CYG 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.

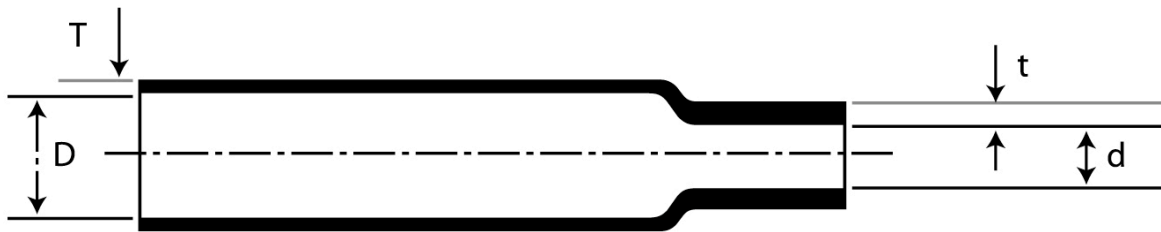
Agency Approval & Compliance

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 135 degrees C (275 degrees F)

Standard Sizes and Dimension



Size 2X

Type	Size (inch)	As Supplied (mm)		After Recovery (mm)	
		Min. Inside Diameter (D)	Nominal Wall-thickness (T)	Max. Inside Diameter (d)	Wall-thickness (t)
101	3/1/64	1.2	0.21±0.08	0.6	0.41±0.08
102	1/16"	1.6	0.21±0.08	0.8	0.43±0.08
103	3/1/32	2.4	0.25±0.08	1.2	0.51±0.08
104	1/8"	3.2	0.25±0.08	1.6	0.51±0.08
105	3/16"	4.8	0.25±0.08	2.4	0.51±0.08
106	1/4"	6.4	0.32±0.10	3.2	0.64±0.08
107	3/8"	9.5	0.35±0.10	4.8	0.64±0.08
108	1/2"	12.7	0.33±0.10	6.4	0.64±0.08
109	3/4"	19.1	0.38±0.12	9.5	0.76±0.12
110	1"	25.4	0.45±0.15	12.7	0.90±0.15
111	1-1/2"	38.1	0.52±0.20	19.1	1.02±0.20
112	2"	50.8	0.57±0.20	25.4	1.14±0.20
113	3"	76.2	0.63±0.20	38.1	1.27±0.20
114	4"	101.6	0.70±0.20	50.8	1.4±0.23

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
Ultimate Elongation (%) - After Aging	
Dielectric Voltage Withstand (V)	
Volume Resistivity (Ω.cm)	10 ¹²
Dielectric Voltage (V) AC	
Dielectric Strength (kV/mm)	15.8kv/mm
Flammability	
Concentricity (%)	≥50
Heat Shock	No cracks, flowing or dripping
Cold Shock	
Radial Shrinkage	
Copper Corrosion	No corrosion

Availability Four-foot lengths, master reels and cut pieces

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