

Part Number CB-HFT300

Header CB-HFT300 Thin Wall Low Shrink Temperature Polyolefin Heat Shrink Tubing

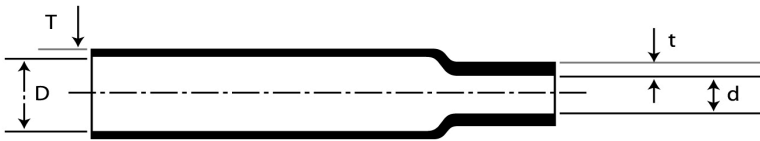
Description Thermosleeve-USA CB-HFT300 is highly flexible, halogen free and flame retardant making it an excellent choice when a low temperature heat shrink tubing is required. CB-HFT300 is suitable as an insulating jacket for sensitive or delicate components where the introduction of excess heat may cause damage. Due to its low temperature requirements, CB-HFT300 reduces install time and offers an exceptional fast recovery. CB-HFT300 is resistant to common fluids and solvents with a shrink temperature rating of 90 degrees C (194 degrees F) ~ 125 degrees C.

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

Application CB-HFT300 heat shrink tubing is free of Pb, Cd, Hg, Cr+6, PBB and PBDE. CB-HFT 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 CB-HFT300 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.

CB-HFT300 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 (mm)	Size (inch)	As Supplied (mm)		After Recovery (mm)		Length (mt/roll)
		Inside Diameter (D)	Wall-thickness (T)	Inside Diameter (d)	Wall-thickness (t)	
Φ0.6		0.8+0.2/-0.1	0.12±0.05	≤0.40	0.25±0.06	400
Φ0.7		0.9+0.2/-0.1	0.13±0.05	≤0.45	0.25±0.06	400
Φ0.8		1.2+0.2/-0.1	0.13±0.05	≤0.4	0.25±0.06	400
Φ1.0-Φ1.3	3/64"	1.3+0.2/-0.1	0.13±0.05	≤0.6	0.25±0.06	200
Φ1.0-Φ1.6	3/64"	1.6+0.2/-0.1	0.13±0.05	≤0.6	0.25±0.06	200
Φ1.5	1/16"	2.0+0.2/-0.1	0.13±0.05	≤0.8	0.25±0.06	200
Φ2.0	3/32"	2.4+0.2/-0.1	0.13±0.05	≤1.0	0.25±0.06	200
Φ2.5		3.0+0.2/-0.1	0.13±0.05	≤1.25	0.28±0.06	200
Φ3.0	1/8"	3.5+0.2/-0.1	0.13±0.05	≤1.5	0.30±0.06	200
Φ3.5		4.0+0.2/-0.1	0.15±0.05	≤1.75	0.30±0.06	200
Φ4.0		4.5+0.2/-0.1	0.15±0.05	≤2.0	0.30±0.06	200
Φ4.5	3/16"	5.0+0.2/-0.1	0.15±0.05	≤2.25	0.30±0.06	200
Φ5.0		5.5+0.2/-0.1	0.15±0.05	≤2.5	0.30±0.06	100
Φ5.5		6.0+0.2/-0.1	0.15±0.05	≤2.75	0.30±0.06	100
Φ6.0	1/4"	6.5+0.2/-0.1	0.15±0.05	≤3.0	0.30±0.06	100

Φ6.5		7.0+0.3/-0.1	0.15±0.05	≤3.25	0.30±0.06	100
Φ7.0		7.5+0.3/-0.1	0.15±0.05	≤3.5	0.32±0.06	100
Φ8.0		8.5+0.3/-0.1	0.15±0.05	≤4.0	0.32±0.06	100
Φ9.0	3/8"	9.5+0.3/-0.1	0.16±0.05	≤4.5	0.34±0.06	100
Φ10		10.5+0.3/-0.1	0.16±0.05	≤5.0	0.34±0.06	100
Φ11		11.5+0.3/-0.1	0.16±0.05	≤5.5	0.34±0.06	100
Φ12	1/2"	12.5+0.3/-0.1	0.16±0.05	≤6.0	0.34±0.06	100
Φ13		13.5+0.3/-0.1	0.16±0.05	≤6.5	0.34±0.06	100
Φ14		14.5+0.3/-0.1	0.16±0.05	≤7.0	0.34±0.06	100
Φ15		15.5+0.6/-0.1	0.16±0.05	≤7.5	0.34±0.06	100
Φ16	5/8"	16.5+0.6/-0.1	0.18±0.05	≤8.0	0.38±0.08	100
Φ17		17.5+0.6/-0.1	0.18±0.05	≤8.5	0.38±0.08	100
Φ18		18.7±0.4	0.18±0.05	≤9.0	0.38±0.08	100
Φ20		21.0±0.5	0.20±0.05	≤10.0	0.42±0.08	100
Φ22	7/8"	23.0±0.5	0.20±0.05	≤11.0	0.42±0.08	100
Φ25	1"	26.0±0.5	0.20±0.05	≤12.5	0.42±0.08	50
Φ30		31.0±0.5	0.25±0.08	≤15.0	0.48±0.08	50
Φ35		36.0±1.0	0.25±0.08	≤17.5	0.48±0.08	25

Typical Properties

Item	Specifications
Shrink Temperature (°C)	90-125
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)	300
Volume Resistivity (Ω.cm)	≥10 ¹⁴
Dielectric Strength (kV/mm)	≤15
Flammability	VW-1
Concentricity (%)	≥65

Availability Four-foot lengths, master reels and cut pieces

Important Notice The information related to Thermosleeve-USA products both in printed or electronic format is believed to be reliable but the accuracy and completeness is not guaranteed. We suggest that before using this product, you evaluate and determine if it is suitable to your intended application. Thermosleeve-USA assumes no risk or liability associated with the use of this material. Any statements related to this product that are not contained in the current Thermosleeve-USA online or printed literature, or any contrary statements referenced on purchase order, shall have no force or effect unless expressly agreed to in writing and signed by an office of Thermosleeve-USA.

Limited Warranty/Limited Liability Thermosleeve-USA offers no guarantees in respect to the accuracy of the information detailed in this document and accepts no explicit or applied liability as to the products use. In no instance will Thermosleeve-USA be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product. Thermosleeve-USA specifications are subject to change without notice; including changes in materials and processing that do not affect compliance of the products specification. Thermosleeve-USA guarantees the product to be free from defects in material and manufacturing at the time of purchase. If this product is found to be defective within the warranty period, at our option we will refund the purchase price, replace or repair the Thermosleeve-USA product.