

Part Number CB-HRT

Header CB-HRT Semi-rigid Polyolefin Heat Shrink Tubing

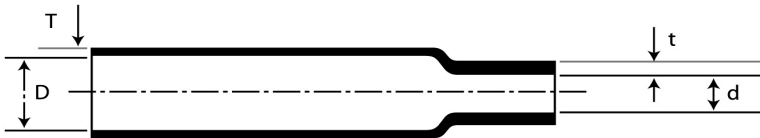
Description Thermosleeve-USA CB-HRT is a semi-rigid, heat shrinkable, tubing with excellent insulation and superior abrasion resistance properties. Resistant to many types of acids, alkalis and solvents, CB-HRT has a shrink temperature rating of 120 degrees C (248 degrees F) and is ideally suited when strain relief or physical protection to components is a concern.

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

Application CB-HRT heat shrink tubing can be utilized with automatic feed equipment or where exceptional strain relief is required including industrial, military and commercial applications.

Shrink Ratio and Operating Temperature CB-HRT 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-HRT has a continuous operating temperature rating of -55 degrees C (-67 degrees F) and 150 degrees C (302 degrees F)

Standard Sizes and Dimension


Size (mm)	Size (inch)	As Supplied (mm)		After Recovery (mm)		Packaging Length (mt/roll)
		Inside Diameter (D)	Wall-thickness (T)	Inside Diameter (d)	Wall-thickness (t)	
Ø0.8		1.3±0.2	0.18±0.08	≤0.45	0.33±0.06	200
Ø1.0	3/64"	1.5±0.2	0.18±0.05	≤0.6	0.36±0.06	200
Ø1.5	1/16"	2.0±0.2	0.20±0.08	≤0.8	0.40±0.08	200
Ø2.0	3/32"	2.5±0.2	0.20±0.08	≤1.00	0.42±0.08	200
Ø2.5		3.0±0.2	0.22±0.08	≤1.25	0.42±0.08	200
Ø3.0	1/8"	3.5±0.3	0.25±0.10	≤1.5	0.46±0.08	200
Ø3.5		4.0±0.3	0.25±0.10	≤1.75	0.46±0.08	200
Ø4.0		4.5±0.3	0.25±0.10	≤2.0	0.48±0.08	200
Ø4.5	3/16"	5.0±0.3	0.25±0.10	≤2.25	0.50±0.10	100
Ø5.0		5.5±0.4	0.25±0.10	≤2.5	0.50±0.10	100
Ø6.0	1/4"	6.5±0.4	0.28±0.12	≤3.0	0.56±0.10	100
Ø6.5		7.0±0.4	0.28±0.12	≤3.25	0.56±0.10	100
Ø7.0		7.5±0.4	0.30±0.12	≤3.5	0.58±0.10	100
Ø8.0		8.5±0.5	0.30±0.12	≤4.0	0.60±0.10	100
Ø9.0	3/8"	9.5±0.5	0.30±0.12	≤4.5	0.60±0.10	100
Ø10		10.5±0.5	0.30±0.12	≤5.0	0.60±0.10	100

Φ11		11.5±0.5	0.30±0.12	≤5.5	0.60±0.10	100
Φ12		12.5±0.5	0.30±0.12	≤6.0	0.60±0.10	100
Φ13	1/2"	13.5±0.5	0.36±0.12	≤6.5	0.65±0.12	100
Φ14		14.5±0.5	0.36±0.12	≤7.0	0.65±0.12	100
Φ15		15.5±0.5	0.36±0.12	≤7.5	0.65±0.12	100
Φ16	5/8"	16.5±0.5	0.36±0.12	≤8.0	0.65±0.12	100
Φ17		17.5±0.5	0.36±0.12	≤8.5	0.65±0.12	100
Φ18		18.7±0.6	0.40±0.15	≤9.0	0.70±0.12	100
Φ20	3/4"	20.7±0.6	0.40±0.15	≤10.0	0.75±0.15	100
Φ22	7/8"	22.7±0.6	0.40±0.15	≤11.0	0.80±0.15	100
Φ25	1"	25.7±0.7	0.40±0.15	≤12.5	0.90±0.15	50
Φ28		29.0±0.7	0.45±0.20	≤14.0	0.95±0.20	50
Φ30	1 1/4"	31.0±0.7	0.45±0.20	≤15.0	0.95±0.20	50
Φ35		36.0±1.0	0.50±0.22	≤17.5	1.00±0.20	25
Φ40		41.0±1.0	0.55±0.25	≤20.0	1.10±0.25	25
Φ45		46.0±1.0	0.55±0.25	≤22.5	1.10±0.25	25
Φ50		51.5±1.5	0.60±0.25	≤26.0	1.20±0.25	25
Φ55		≥55	0.60±0.25	≤28.0	1.20±0.25	25
Φ60		≥60	0.60±0.25	≤30.0	1.20±0.25	25

Other sizes are available upon special order.

Typical Properties

Item	Specifications
Shrink Temperature (°C)	120 - 150
Temperature Range (°C)	150°C
Radial Shrinking Ratio (%)	≥50%
Longitudinal Change (%)	≤5%
Tensile Strength (MPa)	≥10.4mpa
Ultimate Elongation (%)	≥200%
Aging in Circulating-air Oven	180.0±1.0°C, 168hrs
Tensile Strength (MPa) - After Aging	≥7.3
Ultimate Elongation (%) - After Aging	≥100%
Volume Resistivity (Ω.cm)	≥1014
Dielectric Strength (kV/mm)	≥15
Concentricity (%)	≥65%
Copper Corrosion	No corrosion

Availability Four-foot lengths, master reels and cut pieces

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