

CB-HFT(600) HALOGEN FREE HEAT-SHRINKABLE TUBING

CB-HFT(600) is halogen-free, flexible, flame-retardant polyolefin heat-shrinkable tubing. This tubing is low smoke generating, abrasion resistant and in case of burning, produces no dioxin. CB-HFT(600) tubing is widely used in enclosed areas where a flame-retardant, halogen-free environment is required. It is perfect for electrical and electronics applications and has uses in fields such as aerospace, automotive, construction, power delivery, and mass transit vehicles including automobile, railway, airplanes, and marine vessels.

Certifications: UL, CUL, F-mark, Sony Green Partner



Specifications

Items	Test methods	Specifications
Shrink temperature	Company standard	90°C
Operating temperature range	UL224	-55°C~125°C
Radial shrinking ratio		≥50%
Longitudinal change	ASTM D2671	-5%~+5%
Tensile strength	ASTM D638	≥10.4MPa
Elongation at break	ASTM D638	≥200%
Aging in circulating-air oven	158.0°C ± 1.0°C, 168hrs	
Tensile strength after aging	ASTM D638	≥7.3MPa
Elongation at break after aging	ASTM D638	≥100%
Volume resistance	ASTM D2671	≥1.0 × 10 ¹² Ω .cm
Dielectric strength	UL224, AC2500V, 1min	No breakdown
Heat shock	UL224	No cracking
Flammability	UL224	VW-1
Concentricity	ASTM D2671	≥70%

Size

Size (Inch)	As supplied (mm)		After recovery (mm)	
	Inside diameter (D)	Wall-thickness (T)	Inside diameter (d)	Wall-thickness (t)
3/64	1.50 ± 0.20	0.18 ± 0.05	≤ 0.60	0.36 ± 0.08
1/16	2.00 ± 0.20	0.18 ± 0.05	≤ 0.80	0.36 ± 0.08
3/32	2.50 ± 0.20	0.20 ± 0.05	≤ 1.00	0.42 ± 0.08
1/8	3.50 ± 0.20	0.22 ± 0.05	≤ 1.50	0.46 ± 0.08
3/16	5.00 ± 0.20	0.23 ± 0.05	≤ 2.25	0.46 ± 0.10
1/4	6.50 ± 0.20	0.25 ± 0.05	≤ 3.00	0.55 ± 0.10
3/8	9.50 ± 0.20	0.28 ± 0.10	≤ 4.50	0.58 ± 0.10
1/2	13.00 ± 0.30	0.28 ± 0.12	≤ 6.40	0.58 ± 0.10
3/4	20.60 ± 0.50	0.32 ± 0.15	≤ 9.50	0.68 ± 0.15
1	25.60 ± 0.70	0.40 ± 0.15	≤ 12.50	0.78 ± 0.12
1-1/4	30.60 ± 0.70	0.40 ± 0.15	≤ 15.00	0.82 ± 0.12
1-1/2	41.00 ± 0.50	0.50 ± 0.25	≤ 19.00	1.10 ± 0.15
2	51.00 ± 0.50	0.55 ± 0.25	≤ 25.00	1.10 ± 0.15
3	81.00 ± 1.00	0.60 ± 0.30	≤ 40.00	1.25 ± 0.20
4	101.00 ± 1.00	0.60 ± 0.30	≤ 50.00	1.25 ± 0.20

Other sizes are available upon special order.



Size

Size	As supplied (mm)		After recovery (mm)	
	Inside diameter (D)	Wall-thickness (T)	Inside diameter (d)	Wall-thickness (t)
Φ 1.0	1.50 ± 0.20	0.18 ± 0.05	≤ 0.60	0.36 ± 0.08
Φ 1.5	2.00 ± 0.20	0.18 ± 0.05	≤ 0.80	0.36 ± 0.08
Φ 2.0	2.50 ± 0.20	0.20 ± 0.05	≤ 1.00	0.42 ± 0.08
Φ 2.5	3.00 ± 0.20	0.22 ± 0.05	≤ 1.25	0.46 ± 0.08
Φ 3.0	3.50 ± 0.20	0.22 ± 0.05	≤ 1.50	0.46 ± 0.08
Φ 3.5	4.00 ± 0.20	0.22 ± 0.05	≤ 1.75	0.46 ± 0.08
Φ 4.0	4.60 ± 0.20	0.22 ± 0.05	≤ 2.00	0.48 ± 0.08
Φ 4.5	5.00 ± 0.20	0.23 ± 0.05	≤ 2.25	0.46 ± 0.10
Φ 5.0	5.50 ± 0.20	0.25 ± 0.05	≤ 2.50	0.50 ± 0.10
Φ 6.0	6.50 ± 0.20	0.25 ± 0.05	≤ 3.00	0.55 ± 0.10
Φ 6.5	6.90 ± 0.20	0.25 ± 0.05	≤ 3.25	0.55 ± 0.10
Φ 7.0	7.50 ± 0.20	0.25 ± 0.05	≤ 3.50	0.55 ± 0.10
Φ 8.0	8.50 ± 0.20	0.28 ± 0.10	≤ 4.00	0.58 ± 0.10
Φ 9.0	9.50 ± 0.20	0.28 ± 0.10	≤ 4.50	0.58 ± 0.10
Φ 10	10.50 ± 0.30	0.28 ± 0.10	≤ 5.00	0.58 ± 0.10
Φ 11	11.50 ± 0.30	0.28 ± 0.10	≤ 5.50	0.58 ± 0.10
Φ 12	12.50 ± 0.30	0.28 ± 0.10	≤ 6.00	0.58 ± 0.10
Φ 13	13.50 ± 0.30	0.28 ± 0.12	≤ 6.50	0.58 ± 0.10
Φ 14	14.50 ± 0.30	0.28 ± 0.12	≤ 7.00	0.58 ± 0.10
Φ 15	15.50 ± 0.30	0.28 ± 0.12	≤ 7.50	0.58 ± 0.10
Φ 16	16.50 ± 0.30	0.28 ± 0.12	≤ 8.00	0.58 ± 0.10
Φ 17	17.50 ± 0.30	0.28 ± 0.12	≤ 8.50	0.65 ± 0.12
Φ 18	18.50 ± 0.30	0.32 ± 0.15	≤ 9.00	0.68 ± 0.12
Φ 20	20.60 ± 0.50	0.32 ± 0.15	≤ 10.00	0.68 ± 0.15
Φ 22	22.60 ± 0.50	0.35 ± 0.15	≤ 11.00	0.72 ± 0.12
Φ 25	25.60 ± 0.70	0.40 ± 0.15	≤ 12.50	0.78 ± 0.12
Φ 28	28.60 ± 0.70	0.40 ± 0.15	≤ 14.00	0.78 ± 0.12
Φ 30	30.60 ± 0.70	0.40 ± 0.15	≤ 15.00	0.82 ± 0.12
Φ 35	35.60 ± 0.70	0.45 ± 0.20	≤ 17.50	0.92 ± 0.12
Φ 40	41.00 ± 0.50	0.50 ± 0.25	≤ 20.00	1.10 ± 0.15
Φ 50	51.00 ± 0.50	0.55 ± 0.25	≤ 25.00	1.10 ± 0.15
Φ 55	55.50 ± 1.00	0.55 ± 0.25	≤ 28.00	1.10 ± 0.15
Φ 60	60.50 ± 1.00	0.60 ± 0.25	≤ 30.00	1.25 ± 0.20
Φ 70	71.00 ± 1.00	0.60 ± 0.30	≤ 35.00	1.25 ± 0.20
Φ 80	81.00 ± 1.00	0.60 ± 0.30	≤ 40.00	1.25 ± 0.20
Φ 90	91.00 ± 1.00	0.60 ± 0.30	≤ 45.00	1.25 ± 0.20
Φ 100	101.00 ± 1.00	0.60 ± 0.30	≤ 50.00	1.25 ± 0.20

Other sizes are available upon special order.