

CB-HFT Halogen Free Heat-Shrinkable Tubing 



CB-HFT is halogen-free, flexible, flame retardant heat-shrinkable tubing. This 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, skyscraper, mass transit vehicles and ships. The product is UL recognized at 600V and the file No is E180908. All are F mark.

Specifications

Item	Specifications
Shrink Temperature(°C)	90
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
After aging	
Tensile Strength(MPa)	≥7.3
Ultimate Elongation(%)	≥100
Volume Resistivity(Ω.cm)	≥1014
Dielectric Strength(KV/mm)	≥15
Flammability	VW-1
Concentricity(%)	≥65

Size

Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter	Wall-thickness	Inside Diameter	Wall-thickness
φ0.8	1.3±0.2	0.15±0.05	≤0.45	0.28±0.05
φ1.0	1.5±0.2	0.18±0.05	≤0.6	0.30±0.05
φ1.5	2.0±0.2	0.18±0.05	≤0.8	0.32±0.05
φ2.0	2.5±0.2	0.18±0.05	≤1.00	0.35±0.05
φ2.5	3.0±0.2	0.20±0.05	≤1.25	0.38±0.05
φ3.0	3.5±0.3	0.20±0.05	≤1.5	0.38±0.05
φ3.5	4.0±0.3	0.20±0.05	≤1.75	0.38±0.05
φ4.0	4.5±0.3	0.23±0.05	≤2.0	0.45±0.05
φ4.5	4.8±0.3	0.23±0.05	≤2.25	0.45±0.05
φ5.0	5.5±0.3	0.23±0.05	≤2.5	0.45±0.05
φ6.0	6.5±0.4	0.25±0.05	≤3.0	0.50±0.05
φ6.5	7.0±0.4	0.25±0.05	≤3.0	0.52±0.05
φ7.0	7.5±0.4	0.30±0.08	≤3.5	0.60±0.05
φ8.0	8.5±0.3	0.30±0.08	≤4.0	0.60±0.08
φ9.0	9.5±0.4	0.30±0.08	≤4.5	0.60±0.08
φ10	10.5±0.5	0.30±0.08	≤5.0	0.60±0.08
φ11	11.5±0.5	0.30±0.08	≤5.5	0.60±0.08
φ12	12.5±0.5	0.30±0.08	≤6.0	0.60±0.08
φ13	13.5±0.5	0.36±0.12	≤6.5	0.65±0.12
φ14	14.5±0.5	0.36±0.12	≤7.0	0.65±0.12
φ15	15.5±0.5	0.36±0.12	≤7.5	0.65±0.12
φ16	16.5±0.5	0.36±0.12	≤8.0	0.70±0.12

φ17	17.5±0.5	0.36±0.12	≤8.5	0.70±0.12
φ18	18.7±0.5	0.40±0.15	≤9.0	0.75±0.12
φ20	20.6±0.6	0.40±0.15	≤10.0	0.80±0.12
φ22	22.7±0.6	0.40±0.15	≤11.0	0.80±0.12
φ25	25.5±0.7	0.45±0.15	≤12.5	0.90±0.12
φ28	29.2±0.7	0.45±0.15	≤14.0	0.90±0.12
φ30	31.0±0.7	0.45±0.15	≤15.0	0.90±0.12
φ35	≥35	0.50±0.15	≤19	1.00±0.30
φ40	≥40	0.50±0.15	≤21	1.00±0.30
φ50	≥50	0.50±0.15	≤27	1.00±0.30
φ55	≥55	0.50±0.15	≤28	1.00±0.30
φ60	≥60	0.50±0.15	≤31	1.00±0.30
φ70	≥70	0.70±0.30	≤35.0	1.45±0.25
φ80	≥80	0.70±0.30	≤40.0	1.45±0.25
φ90	≥90	0.70±0.30	≤45.0	1.45±0.25
φ100	≥100	0.70±0.30	≤50.0	1.45±0.25

Size in Inch

SIZE (Inch)	As supplied (mm)		After Recovery (mm)	
	MIN ID	WALL	MAX ID	WALL
3/64	1.2	0.18±0.05	≤0.6	0.30±0.05
1/16	1.6	0.18±0.05	≤0.8	0.32±0.05
3/32	2.4	0.18±0.05	≤1.00	0.35±0.05
1/8	3.2	0.20±0.05	≤1.5	0.38±0.05
3/16	4.8	0.23±0.05	≤2.0	0.45±0.05
1/4	6.4	0.25±0.05	≤3.0	0.50±0.05
3/8	9.5	0.30±0.08	≤4.5	0.60±0.08
1/2	12.7	0.30±0.08	≤6.0	0.60±0.08
3/4	19.1	0.40±0.12	≤10.0	0.75±0.12
1	25.4	0.45±0.12	≤12.5	0.90±0.12
1-1/4	31.8	0.45±0.12	≤15.0	0.90±0.12
1-1/2	38.1	0.50±0.15	≤21	1.00±0.30
2	50.8	0.50±0.15	≤27	1.00±0.30
3	≥80	0.70±0.30	≤40.0	1.45±0.25
4	≥100	0.70±0.30	≤50.0	1.45±0.25

Other sizes are available upon special order.

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