

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

Material: radiation cross-linked polyolefin

Shrink ratio: 2:1 / 3:1 / 4:1

Features:

- ◆ Halogen free, low smoke, RoHS 2.0, REACH and SONY GP compliance
- ◆ Good flexibility and elasticity
- ◆ Flame retardant UL224 VW-1 and F-mark certified
- ◆ UL125°C (E180908) certification passed
- ◆ Excellent insulation, temperature and voltage resistance

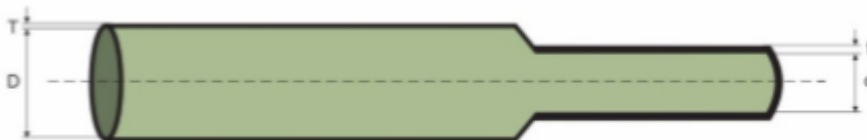


Application:

Widely used in electronics, automotive, communication, railway, power transmission, construction, public facilities and other fields.

Specifications

Items		Test Methods	Specifications
Temperature rating		UL224	125°C
Operating temperature range		UL224	-30~+125°C
Longitudinal change		ASTM D2671	-5%~+5%
Tensile strength		ASTM D638	≥10.4MPa
Elongation at break		ASTM D638	≥200%
Aging in circulating-air oven 158°C/168h	Tensile strength	ASTM D638	≥7.3MPa
	Elongation at break	ASTM D638	≥100%
Volume resistance		IEC 93	≥1.0×10 ¹² Ω.cm
Voltage level		UL224	300V/600V
Dielectric strength		UL224	AC 2500V, 60s, no breakdown
Heat shock		225°C/4h	No dripping, no flowing, no cracking
Cold bending		-30°C/1h	No cracking, no breaking
Concentricity		ASTM D2671	≥70%



Size

CB-HFT(600) (Shrink ratio 2:1)

Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter (D)	Wall Thickness (T)	Inside Diameter (d)	Wall Thickness (t)
Φ0.7	1.0+0.2/-0.1	0.18±0.05	≤0.45	0.32±0.08
Φ0.8	1.2+0.2/-0.1	0.18±0.05	≤0.45	0.34±0.08
Φ1.0	1.5+0.2/-0.1	0.18±0.05	≤0.60	0.36±0.08
Φ1.5	2.1+0.2/-0.1	0.18±0.05	≤0.80	0.36±0.08

**CHANGYUAN ELECTRONICS (DONGGUAN) CO.,LTD.**

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Tel: +86 769 89388009

Φ2.0	2.5+0.2/-0.1	0.20±0.05	≤1.00	0.42±0.08
Φ2.5	3.0+0.2/-0.1	0.22±0.05	≤1.25	0.46±0.08
Φ3.0	3.5+0.2/-0.1	0.22±0.05	≤1.50	0.46±0.08
Φ3.5	4.0+0.2/-0.1	0.22±0.05	≤1.75	0.46±0.08
Φ4.0	4.6+0.2/-0.1	0.22±0.05	≤2.00	0.46±0.08
Φ4.5	5.0+0.2/-0.1	0.23±0.05	≤2.25	0.46±0.08
Φ5.0	5.5+0.2/-0.1	0.25±0.05	≤2.50	0.50±0.08
Φ5.5	6.0+0.2/-0.1	0.25±0.05	≤2.75	0.50±0.08
Φ6.0	6.5+0.2/-0.1	0.25±0.05	≤3.00	0.55±0.10
Φ6.5	6.9+0.2/-0.1	0.25±0.05	≤3.25	0.55±0.10
Φ7.0	7.5+0.2/-0.1	0.25±0.05	≤3.50	0.55±0.10
Φ8.0	8.5+0.2/-0.1	0.28±0.06	≤4.00	0.58±0.10
Φ9.0	9.5+0.2/-0.1	0.28±0.06	≤4.50	0.58±0.10
Φ10	10.5+0.3/-0.1	0.28±0.06	≤5.00	0.58±0.10
Φ11	11.5+0.3/-0.1	0.28±0.06	≤5.50	0.58±0.10
Φ12	12.5+0.3/-0.1	0.28±0.06	≤6.00	0.58±0.10
Φ13	13.5+0.3/-0.1	0.28±0.06	≤6.50	0.58±0.10
Φ14	14.5+0.3/-0.1	0.28±0.06	≤7.00	0.58±0.10
Φ15	15.5+0.3/-0.1	0.28±0.06	≤7.50	0.58±0.10
Φ16	16.5+0.3/-0.1	0.28±0.06	≤8.00	0.58±0.10
Φ17	17.5+0.3/-0.1	0.28±0.06	≤8.50	0.58±0.10
Φ18	18.5+0.3/-0.1	0.32±0.08	≤9.00	0.68±0.10
Φ20	20.6+0.5/-0.2	0.32±0.08	≤10.0	0.68±0.10
Φ22	22.6+0.7/-0.2	0.35±0.08	≤11.0	0.72±0.12
Φ25	25.6+0.7/-0.2	0.40±0.10	≤12.5	0.78±0.12
Φ28	28.6+0.7/-0.2	0.40±0.10	≤14.0	0.78±0.12
Φ30	30.6+0.7/-0.2	0.40±0.10	≤15.0	0.82±0.12
Φ35	35.6+0.7/-0.2	0.45±0.10	≤17.5	0.92±0.12
Φ40	41.0±0.5	0.50±0.12	≤20.0	1.00±0.15
Φ45	46.0±0.5	0.50±0.12	≤22.5	1.00±0.15
Φ50	51.0±0.5	0.55±0.15	≤25.0	1.10±0.15
Φ55	55.5±1.0	0.55±0.15	≤27.5	1.10±0.15
Φ60	60.5±1.0	0.60±0.15	≤30.0	1.25±0.20
Φ70	71.0±1.0	0.60±0.15	≤35.0	1.25±0.20
Φ80	81.0±1.0	0.60±0.15	≤40.0	1.25±0.20
Φ90	91.0±1.0	0.60±0.15	≤45.0	1.25±0.20

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Φ100	101.0±1.0	0.60±0.15	≤50.0	1.25±0.20
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Other sizes and colors are available upon special order.**Size****CB-HFT(600) (Shrink ratio 3:1)**

Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter (D)	Wall Thickness (T)	Inside Diameter (d)	Wall Thickness (t)
Φ1.5/0.5	2.0±0.8	0.18±0.10	≤0.5	0.40±0.10
Φ3.0/1.0	3.5±0.8	0.20±0.10	≤1.0	0.55±0.10
Φ4.5/1.5	5.0±0.8	0.20±0.10	≤1.5	0.55±0.10
Φ6.0/2.0	6.5±0.8	0.22±0.15	≤2.0	0.60±0.15
Φ8.0/2.7	8.5±0.8	0.22±0.15	≤2.7	0.60±0.15
Φ9.0/3.0	9.5±0.8	0.25±0.15	≤3.0	0.70±0.15
Φ10/3.3	10.5±0.8	0.25±0.15	≤3.3	0.70±0.15
Φ12/4.0	12.5±0.8	0.25±0.15	≤4.0	0.70±0.15
Φ13/4.3	13.5±0.8	0.25±0.15	≤4.3	0.70±0.15
Φ15/5.0	15.5±0.8	0.25±0.15	≤5.0	0.70±0.15
Φ16/5.3	16.5±0.8	0.25±0.15	≤5.3	0.70±0.15
Φ18/6.0	18.5±0.8	0.30±0.18	≤6.0	0.80±0.20
Φ20/6.7	20.5±0.8	0.30±0.18	≤6.7	0.80±0.20
Φ24/8.0	24.5±0.8	0.36±0.20	≤8.0	1.00±0.20
Φ25/8.3	25.5±0.8	0.36±0.20	≤8.3	1.00±0.20
Φ28/9.3	28.5±0.8	0.36±0.20	≤9.3	1.00±0.20
Φ30/10	30.5±0.8	0.36±0.20	≤10.0	1.00±0.20
Φ33/11	33.5±0.8	0.36±0.20	≤11.0	1.00±0.20
Φ39/13	39.5±0.8	0.45±0.20	≤13.0	1.25±0.20
Φ50/16.7	51.0±1.2	0.50±0.20	≤16.7	1.50±0.20

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Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter (D)	Wall Thickness (T)	Inside Diameter (d)	Wall Thickness (t)
Φ8.0/2.0	8.5±0.8	0.35±0.20	≤2.0	1.05±0.20
Φ10/2.5	10.5±0.8	0.40±0.20	≤2.5	1.30±0.20
Φ12/3.0	12.5±0.8	0.40±0.20	≤3.0	1.30±0.20
Φ16/4.0	16.5±0.8	0.36±0.20	≤4.0	1.30±0.20
Φ18/4.5	18.5±0.8	0.36±0.20	≤4.5	1.30±0.20
Φ20/5.0	20.5±0.8	0.36±0.20	≤5.0	1.30±0.20



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$\Phi 25/6.25$	25.5 ± 0.8	0.40 ± 0.20	≤ 6.25	1.46 ± 0.20
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Size

CB-HFT(600) (Shrink ratio 4:1)

Other sizes and colors are available upon special order.