



Changyuan Electronics (Shenzhen) Co., Ltd.

深圳长园电子材料有限公司

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### CB-HFT Single Wall Heat Shrink Tubing

**Description:** CB-HFT 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 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 buses, trains, airplanes, and marine vessels.

#### Applications

- Wire harness insulation and protection
- Color coding and identification

#### Features and Benefits

- Polyolefin material (Irradiation Cross-linked Polyolefin)
- Chemical resistant
- UV resistant
- VW-1 flame retardant
- UL & cUL ( E180908), CSA (1008399)
- Halogen Free
- RoHS compliant
- Reach compliant
- Sony Green Partner

#### Temperature

- Operating Temperature: -55°C~125°C
- Shrink Temperature: 90°C
- Melt Temperature: 260°C

**Colors:** Black, White, Red, Blue, Yellow, Green, Brown, Orange etc.



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## Specification:

Item		Specification
Shrink Temperature (°C)		90
Operating Temperature Range (°C)		125
Radial Shrinking Ratio (%)		≥50
Longitudinal Change (%)		≤±5
Tensile Strength (Mpa)		≥10.4
Elongation at break (%)		≥200
Aging in Circulating-air Oven		158.0±1.0°C, 168hrs
After aging	Tensile Strength (Mpa)	≥7.3
	Elongation at break (%)	≥100
Volume Resistance (Ω .cm)		≥3.6X10 <sup>14</sup>
Secant Modules (Mpa)		125
Dielectric Strength at 1 min, AC2500V		No breakdown
Heat shock		No cracking
Flammability		VW-1
Concentricity (%)		≥70

## Product Selection

Size (Inch)	As Supplied (mm)		After Recovery (mm)	
	Min I.D.	Wall Thickness	Max I.D.	Wall Thickness
3/64	1.2	0.18±0.08	≤0.6	0.36±0.06
1/16	1.6	0.20±0.08	≤0.8	0.40±0.06
3/32	2.4	0.20±0.08	≤1.0	0.42±0.08
1/8	3.2	0.25±0.10	≤1.5	0.46±0.08
3/16	4.8	0.25±0.10	≤2.25	0.50±0.10
1/4	6.4	0.28±0.10	≤3.0	0.56±0.10
3/8	9.5	0.30±0.10	≤4.5	0.60±0.10
1/2	12.7	0.36±0.12	≤6.5	0.65±0.12
3/4	19.1	0.40±0.15	≤10.0	0.90±0.15
1	25.4	0.40±0.15	≤12.5	0.90±0.15
1-1/4	31.8	0.45±0.15	≤15.0	0.95±0.20
1-1/2	38.1	0.55±0.25	≤20.0	1.10±0.25
2	50.8	0.60±0.25	≤26.0	1.20±0.25
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 requirement.