

**CB-HFT(3X) ,CB-HFT(4X) UL/CUL
NON-ADHESIVE HEAT SHRINKABLE TUBING**

CB-HFT(3X) 3:1 shrink ratio and CB-HFT(4X) 4:1 shrink ratio are UL/CUL rated, non-adhesive, halogen-free, flexible, flame-retardant polyolefin heat shrinkable tubing. This tubing can be used in areas where larger than the standard 2:1 shrink ratio are needed. It is also used for protection and marking of special shaped objects, such as wire terminations and electrical connections, cables and electronic components.



**Certificate: UL, CUL, F-mark,
Sony Green Partner**

SPECIFICATIONS

Specifications of HFT(3X) and HFT(4X):

Item		Specifications
Shrink Temperature (C)		90C
Operating Temperature Range (C)		125C
Shrinking Ratio		3:1, 4:1
Longitudinal Change (%)		≤5
Tensile Strength (Mpa)		≥10.4
Elongation at break(%)		≥200
Aging in Circulating-air Oven		158.0±1.0 ^h , 168hrs
After aging	Tensile Strength (Mpa)	≥7.3
	Elongation at break (%)	≥100
Volume Resistance (Ω cm)		≥10 ¹⁴
Dielectric Strength at 1 min, AC2500V		No breakdown
Flammability		VW-1
Concentricity (%)		≥65

SIZE OF HFT (3X)

Size (mm)	As Supplied (mm)		After Recovery (mm)	
	Min. Inside Diameter	Nominal Wall-thickness	Max. Inside Diameter	Wall-thickness
1.5/0.5	1.5	0.18±0.08	0.5	0.4±0.1
3/1	3.0	0.20±0.08	1.0	0.55±0.1
4.5/1.5	4.5	0.20±0.08	1.5	0.55±0.1
6/2	6.0	0.22±0.0	2.0	0.6±0.15
9/3	9.0	0.25±0.0	3.0	0.7±0.15
12/4	12.0	0.25±0.1	4.0	0.7±0.15
15/5	15.0	0.25±0.1	5.0	0.7±0.15
18/6	18.0	0.3±0.12	6.0	0.8±0.2
24/8	24.0	0.36±0.15	8.0	1.0±0.2
30/10	30.0	0.36±0.15	10.0	1.0±0.2
33/11	33.0	0.36±0.15	11.0	1.0±0.2
39/13	39.0	0.45±0.15	13.0	1.25±0.2

SIZE OF HFT (4X)

Size (mm)	As Supplied (mm)		After Recovery (mm)	
	Inside diameter	Nominal Wall-thickness	Inside diameter	Wall-thickness
8/2	8.5±0.5	0.30±0.15	≤2.0	0.95±0.15
10/2.5	10.5±0.5	0.30±0.15	≤2.5	1.00±0.15
12/3	12.5±0.5	0.30±0.15	≤3.0	1.00±0.15
16/4	16.5±0.5	0.30±0.15	≤4.0	1.00±0.15
18/4.5	18.5±0.5	0.30±0.15	≤4.5	1.00±0.15
20/5	20.5±0.5	0.30±0.15	≤5.0	1.00±0.15
24/6	25.5±0.5	0.40±0.20	≤6.25	1.40±0.20