

## HST- Polyolefin Heat Shrinkable Tube

This normal wall, heat shrink tubing is made from a specially formulated, cross-linked polyolefin. This tough, flexible, flame retardant tubing can be used for electrical insulation, wire bundling, color coding, lightweight harnessing, wire strain relief, and wire identification purposes in a variety of home, commercial, industrial and military applications.

### Main Properties:

- ◇ Full recovery temperature:120°C  
(For thin wall HST full recovery temperature:110°C)
- ◇ Shrink temperature: Min. 70°C
- ◇ Operating temperature: -55°C~+125°C
- ◇ Shrink ratio: 2:1
- ◇ Breakdown voltage: 300V, 600V.
- ◇ Flame-retardant, Sun's UV resistant
- ◇ Standard color: Black, Red, Yellow, White, Blue, Green, Clear, Gray, Brown
- ◇ Shrinking tool: Heat Gun or Hot air tools
- ◇ Certificate: RoHS , UL



### Product Picture:



### Application:

- ◇ Electrical insulation
- ◇ Lightweight harness
- ◇ Cable management
- ◇ Mechanical protection

### Technical Data:

	Properties	Condition	Value
Physical	Tensile strength	GB/T 1040	≥10.4Mpa
	Elongation	GB/T 1040	≥200%
	Tensile strength after aging	UL 224 (158°C 168hr)	≥70% of original
	Elongation after aging	UL 224 (158°C 168hr)	≥100%
	Heat shock	UL 224 (250°C 4hr)	No crack
	Cold bend	UL 224 (-30°C 4hr)	No crack
Electrical	Dielectric Voltage withstand	UL 224 (60sec)	≥2500V
	Volume resistivity	GB/T 1040	≥1×10 <sup>14</sup> Ω·cm
Chemical	Corrosion	158°C 168hr	Pass
	Copper Stability	158°C 168hr	≥100% Elongation Ratio
	Flammability	VW-1 OFT	pass

**2:1 Heat Shrinkable Tube(600V)**

Size (mm)	Before shrinkage		After shrinkage		Standard packing (Meters/spool)	Applicable Cable range (mm)
	I/D(mm)	Wall thickness(mm)	I/D(mm)	Wall thickness(mm)		
Ø0.6	0.9±0.2	0.10±0.05	≤0.40	0.22±0.10	400	0.5~0.7
Ø0.8	1.0±0.2	0.15±0.05	≤0.50	0.22±0.10	400	0.6~0.8
Ø1.0	1.5±0.3	0.15±0.05	≤0.65	0.28±0.10	400	0.75~0.9
Ø1.5	2.0±0.3	0.18±0.05	≤0.85	0.32±0.10	400	0.95~1.4
Ø2.0	2.5±0.3	0.18±0.05	≤1.00	0.35±0.10	400	1.1~1.8
Ø2.5	3.0±0.3	0.18±0.05	≤1.30	0.38±0.10	400	1.4~2.3
Ø3.0	3.5±0.4	0.18±0.05	≤1.50	0.40±0.10	400	1.6~2.7
Ø3.5	4.0±0.4	0.22±0.05	≤1.80	0.42±0.10	400	1.9~3.2
Ø4.0	4.5±0.4	0.25±0.05	≤2.00	0.45±0.10	400	2.4~4.0
Ø4.5	5.0±0.4	0.25±0.05	≤2.30	0.50±0.10	200	2.6~4.5
Ø5.0	5.5±0.4	0.25±0.05	≤2.5	0.55±0.10	200	2.85~5.0
Ø6.0	6.5±0.4	0.28±0.05	≤3.0	0.55±0.10	200	3.1~5.4
Ø7.0	7.5±0.4	0.28±0.05	≤3.5	0.55±0.10	100	3.7~6.3
Ø8.0	8.5±0.5	0.28±0.05	≤4.0	0.60±0.10	100	4.2~7.2
Ø9.0	9.5±0.5	0.30±0.08	≤4.5	0.60±0.10	100	4.7~8.0
Ø10	10.5±0.5	0.30±0.08	≤5.0	0.60±0.10	100	5.2~9.0
Ø11	11.5±0.5	0.30±0.08	≤5.5	0.60±0.10	100	5.7~10
Ø12	12.5±0.5	0.30±0.08	≤6.0	0.60±0.10	100	6.2~11
Ø13	13.5±0.5	0.35±0.10	≤6.5	0.65±0.10	100	6.7~12
Ø14	14.5±0.5	0.35±0.10	≤7.0	0.65±0.10	100	7.3~13
Ø15	15.5±0.6	0.40±0.12	≤7.5	0.70±0.10	100	7.8~14
Ø16	17.0±0.6	0.40±0.12	≤8.0	0.70±0.10	100	8.3~15
Ø17	17.5±0.6	0.40±0.12	≤8.5	0.70±0.10	100	8.8~16
Ø18	19.0±0.7	0.40±0.15	≤9.0	0.80±0.15	100	9.3~17
Ø20	22.0±0.7	0.40±0.15	≤10.0	0.80±0.15	100	10.4~19
Ø22	24.0±0.7	0.40±0.15	≤11.0	0.80±0.15	100	11.4~21
Ø25	26.0±0.7	0.55±0.15	≤12.5	0.90±0.15	50	12.9~24
Ø28	29.0±0.7	0.55±0.15	≤14.0	0.90±0.15	50	14.4~27
Ø30	31.5±0.7	0.55±0.15	≤15.0	0.95±0.15	50	16~29
Ø35	36.5±0.7	0.55±0.15	≤17.5	1.00±0.15	50	18~34
Ø40	41.5±0.7	0.55±0.15	≤20.0	1.00±0.15	50	21~39
Ø45	46.0±0.7	0.55±0.15	≤22.5	1.00±0.15	25	23.5~44
Ø50	51.0±0.7	0.55±0.15	≤25.0	1.00±0.15	25	26~49
Ø60	≥60	0.60±0.15	≤31.0	1.30±0.20	25	35~55
Ø70	≥70	0.65±0.15	≤36.0	1.30±0.20	25	40~65
Ø80	≥80	0.70±0.15	≤41.0	1.46±0.20	25	45~75
Ø90	≥90	0.70±0.15	≤46.0	1.46±0.20	25	50~85
Ø100	≥100	0.70±0.20	≤51.0	1.46±0.20	25	55~95
Ø120	≥120	0.70±0.20	≤61.0	1.56±0.20	15	65~115
Ø150	≥150	0.70±0.20	≤76.0	1.56±0.20	15	80~145
Ø180	≥180	0.70±0.30	≤91.0	1.56±0.20	15	95~175



**2:1Thin Wall Heat Shrinkable Tube (300V)**

Size (mm)	Before shrinkage		After shrinkage		Standard packing (Meters/spool)	Applicable cable range (mm)
	I/D(mm)	Wall thickness(mm)	I/D(mm)	Wall thickness(mm)		
Ø1.0	1.4±0.2	0.13±0.05	≤0.65	0.20±0.10	200	0.75~1.0
Ø1.5	1.9±0.3	0.13±0.05	≤0.85	0.20±0.10	200	0.90~1.4
Ø2.0	2.4±0.2	0.13±0.05	≤1.00	0.22±0.10	200	1.1~1.8
Ø2.5	2.9±0.2	0.13±0.05	≤1.30	0.25±0.10	200	1.4~2.3
Ø3.0	3.4±0.2	0.13±0.05	≤1.50	0.28±0.10	200	1.6~2.7
Ø3.5	3.9±0.2	0.13±0.05	≤1.80	0.28±0.10	200	1.9~3.2
Ø4.0	4.4±0.2	0.15±0.05	≤2.00	0.30±0.10	200	2.1~3.6
Ø4.5	4.9±0.2	0.15±0.05	≤2.30	0.30±0.10	100	2.4~4.0
Ø5.0	5.5±0.2	0.15±0.05	≤2.5	0.32±0.10	100	2.6~4.5
Ø6.0	6.5±0.2	0.15±0.05	≤3.0	0.32±0.10	100	3.1~5.4
Ø7.0	7.5±0.3	0.15±0.05	≤3.5	0.32±0.10	100	3.7~6.3
Ø8.0	8.5±0.3	0.15±0.05	≤4.0	0.32±0.10	100	4.2~7.2
Ø9.0	9.5±0.3	0.15±0.05	≤4.5	0.35±0.10	100	4.7~8.0
Ø10	10.5±0.3	0.15±0.05	≤5.0	0.35±0.10	100	5.2~9.0
Ø11	11.5±0.3	0.18±0.05	≤5.5	0.40±0.10	100	5.7~10
Ø12	12.5±0.3	0.20±0.05	≤6.0	0.40±0.10	100	6.2~11
Ø13	13.5±0.3	0.20±0.05	≤6.5	0.40±0.10	100	6.7~12
Ø14	14.5±0.3	0.20±0.05	≤7.0	0.40±0.10	100	7.3~13
Ø15	15.5±0.4	0.20±0.05	≤7.5	0.40±0.10	100	7.8~14
Ø16	16.5±0.4	0.22±0.05	≤8.0	0.40±0.10	100	8.3~15
Ø17	17.5±0.4	0.22±0.05	≤8.5	0.40±0.10	100	8.8~16
Ø18	18.5±0.4	0.22±0.05	≤9.0	0.42±0.10	100	9.3~17
Ø20	20.5±0.5	0.25±0.05	≤10.0	0.45±0.10	100	10.5~19
Ø22	22.4±0.5	0.25±0.05	≤11.0	0.45±0.10	100	11.5~20.5
Ø25	25.5±0.5	0.25±0.05	≤12.5	0.45±0.10	50	13.0~24

**Roll Package**



**Cutting Package**

