

## Heavy Wall Heat Shrink Tubing



**Model: WHST-A / WHST**

### Applications

Heavy Wall Heat Shrink Tubing have properties of excellent insulating, environmental sealing, and resistant to impact and abrasion for applications to seal and protect electrical and communication connections, providing excellent mechanical protection to cable joints and terminations, 3:1 shrink ratio allows it easily fit over irregular shape and large connectors. WHST is recommended to apply for light cable and wire harnesses, where requiring waterproofing, protection of connector components, and thus encapsulates and seals components contained within the tubing.

### Features

- >Resistant to UV-radiation
- >High electrical insulation
- >Superior mechanical property
- >Minimum fully recovery temperature: 120°C
- >Standard color: Black

### Technical Data

Property	Test Method	Typical Data
Operating temperature	IEC 216	-55°C to +110°C
Tensile strength	ASTM D 2671	≥14MPa
Tensile strength after aging (150°C/168hrs.)	ASTM D 2671	≥12MPa
Elongation at break	ASTM D 2671	≥400%
Elongation at break after aging (150°C/168hrs.)	ASTM D 2671	≥300%

Density	ASTM D 792	1.05g/cm <sup>3</sup>
Longitudinal shrinkage	UL 224	0 to -10%
Dielectric strength	IEC 243	≥20kV/mm
Volume resistance	IEC 93	10 <sup>14</sup> Ω.cm
Eccentricity	ASTM D 2671	<30%
Copper stability	ASTM D 2671	Pass
Resistance to stress cracking (50°C)	ASTM D 1693	No cracking
Water absorption (23 °C/ 14days)	ISO 62	<0.15%

### Thermoplastic Adhesive

Property	Test Method	Typical Data
Water absorption	ISO 62	<0.2%
Softening point	ASTM D E28	85°C
Peel strength (PE)	DIN 30672	4 N/cm
Copper stability	ASTM D 2671	Non-corrosive
Resistance to fungus and decay	ISO 846	Pass

### Product Dimension

Normal size (mm)	As supplied(mm)		After recovered (mm)		Tube shape	Standard length
	9/3	Inside diameter (Min.)	Inside diameter	Wall thickness		
WHST-A	9/3	9	3	1.8	O	1000-1500mm
WHST-A	13/4	13	4	2.4	O	1000-1500mm
WHST-A	22/6	22	6	2.7	O	1000-1500mm
WHST-A	33/ 8	33	8	3.2	O	1000-1500mm
WHST-A	40/12	40	12	4.1	O	1000-1500mm
WHST-A	45/12	45	12	4.1	O	1000-1500mm
WHST-A	55/16	55	16	4.1	O	1000-1500mm
WHST-A	75/ 22	75	22	4.1	O	1000-1500mm
WHST-A	85/ 25	85	25	4.3	O	1000-1500mm
WHST-A	95/ 30	95	30	4.3	O	1000-1500mm
WHST-A	105/ 30	105	30	4.3	O	1000-1500mm



WHST-A 130/ 36	130	36	4.3	—	1000-1500mm
WHST-A 160/50	160	50	4.3	—	1000-1500mm
WHST-A 180/50	180	50	4.3	—	1000-1500mm
WHST-A 200/60	200	60	4.3	—	1000-1500mm

## Notes:

1. WHST-A is with Hot Melting Adhesive, Without Adhesive product (WHST) is available upon request.
2. Special size, cutting pieces are available upon request.
3. Tube shape: “O” : Round or Oval, “—” : Flat