

3:1 DUAL WALL HEATSHRINK KIT

SHINN THON

HSKIT3:1DUALWALL

High shrink ratio, Flexible, Polyolefin Heat Shrink Tubing Kit. 3:1 Dual Wall Tubing: SHW-1-SB (3X)

This kit comprises varying sizes and lengths of black adhesive-lined tubing packed in a handy transparent plastic compartment box.

This Kit Contains:

3.2mm (45mm length) x 50
4.8mm (45mm length) x 30
9.5mm (70mm length) x 20
12.7mm (70mm length) x 10
19.1 (70mm Length) x 10



Characteristics

- Operating temperature -45°C to +125°C
- Minimum shrink temperature 70°C
- Full recovery temperature 125°C
- Shrink Ratio 3:1
- Approvals: UL224, 125°C 600V VW-1
- Standard colors: black
- RoHS Compliant

Applications

Manufactured by co-extrusion of polyolefin and hot-melt adhesive. Designed to provide both insulation and sealing for protected articles. Used to protect auto wires, shipping cable, bundle wires and metal tubes against water and moisture. High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.

Technical Data-- Out Jacket Material

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	$\geq 12.0\text{MPa}$
Ultimate Elongation	ASTM D 2671	$\geq 300\%$
Longitudinal Shrinkage	UL 224	+/-8%

Heat Aging Ultimate Elongation	158°C, 168hrs	≥200%
Flammability	VW-1	Pass (out jacket only)
Dielectric Strength	IEC 243	≥15kV/mm
Volume Resistivity (ohm-cm)	UL224	≥10 ¹⁴ Ω.cm
Copper Stability	ASTM D 2671	Pass
Corrosion	UL224	No corrosion

Technical Data-- Adhesive

Property	Test Method	Typical Data
Water Absorption	ISO 62	<0.2%
Softening Point	ASTM D E28	95°C
Longitudinal Shrinkage	UL 224	0 to -10%
Peel Strength (to PE)	ASTM D 1000	120N/25m
Peel Strength (to AL)	ASTM D 1000	80N/25m

Dual Wall 3:1 Heat Shrinkable Tubing (HSKIT31DUALLWALL)

Size		As supplied	After recovery (mm)		
Inch	mm	Internal Diameter Min. (mm)	Internal Diameter Max.	Total Wall Thickness	Wall Thickness of Adhesive
1/8	3.2	3.2	1.0	0.90±0.30	0.35±0.20
3/16	4.8	4.8	1.6	1.05±0.30	0.40±0.20
3/8	9.5	9.5	3.20	1.45±0.30	0.50±0.20
1/2	12.7	12.7	4.20	1.65±0.30	0.50±0.20
3/4	19.1	19.1	6.30	1.95±0.30	0.60±0.30

CERTIFICATE OF RoHS COMPLIANCE

SHW-1-SB (3X) has been manufactured from materials that are compliant with the UK (EU) RoHS requirements.

The materials in our heat shrink ranges have been independently tested by an appropriate third party and we retain these records and intend to repeat such tests on an ongoing basis as part of our quality control procedures.

Testing methods include:

- EPA method 3050B:1996 other acid digestion
- BSEN1122: 2001 method B other acid digestion
- EPA method 3052B:1996 other acid digestion
- EPA method 3060 & EPA 7196A:1992
- Atomic Absorption Spectrometer/ Inductively coupled Plasma Atomic Emission Spectrometer (ICP+AES) UV-VIS Spectrophotometer