

**HSKIT2:1BLKRED**

**Halogen free, Flexible, Polyolefin Heat Shrink Tubing Kit. 2:1 Normal Wall Tubing: SHW-1-H(2X).**

**This kit comprises varying sizes and lengths of black and red tubing packed in a handy transparent plastic compartment box.**

**This Kit Contains:**

- 2:1 normal wall, 4.8mm  
(50mm: 20pcs x red, 20pcs x black)
- 2:1 normal wall, 6.4mm  
(50mm: 15pcs x red, 15pcs x black)
- 2:1 normal wall, 9.5mm  
(70mm: 10pcs x red, 10pcs x black)
- 2:1 normal wall, 12.7mm  
(100mm: 5pcs x red, 5pcs x black)

**Characteristics**

- Halogen Free
- Operating temperature -55°C to +125°C
- Minimum shrink temperature 70°C
- Full recovery temperature: 125°C
- Shrink Ratio 2:1
- RoHS Compliant  
Meets Sony-SS-00259
- Standard colors: black, red

**Applications**

SHW-1-H series of heat shrink tubing is manufactured with modified radiation cross-linked polyolefin. The specially designed halogen free formulation makes the tubing very flexible and shrinks at lower temperature. Suitable for applications where temperature sensitive components protection, e.g. PVC jacketed wire and cable and quick shrinkage is required. It has good mechanical and electrical performances.

## Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D2671	$\geq 10.4$ Mpa
Ultimate Elongation	ASTM D2671	$\geq 200\%$
Longitudinal Shrinkage	UL 224	+/-5%
Heat Aging Tensile Strength Ultimate Elongation	158°C, 168hr	$\geq 7.3$ Mpa $\geq 100\%$
Heat shock	250°C, 4hrs	No cracking, No dripping
Flammability	FMVSS302	Pass
Dielectric Strength	ASTM D150	$\geq 15$ kV/mm
Volume Resistivity	ASTM D2671	$\geq 1 \times 10^{14} \Omega \cdot \text{cm}$
Copper Stability	UL224	Pass
Copper Corrosion	UL224	No corrosion

## Normal Wall 2:1 Heat Shrinkable Tubing (SHW-1-H(2X))

Size		As supplied	After Recovery(mm)	
Inch	mm	Internal diameter(mm)	Internal diameter Max(mm)	Wall thickness (mm)
3/16	4.8	5.0±0.2	2.30	0.50+/-0.10
1/4	6.4	6.5±0.2	3.0	0.55+/-0.10
3/8	9.5	9.5±0.3	4.5	0.60+/-0.10
1/2	12.7	12.5±0.3	6.0	0.60+/-0.10

# CERTIFICATE OF RoHS COMPLIANCE

SHW-1-H(2X) 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