

## Heat Shrink Black 6.4mm (1/4") 2:1 Shrink Ratio

**FLEXIBLE, HALOGEN FREE, POLYOLEFIN HEAT SHRINK TUBING**

### 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, blue, yellow, green, white (Other colors are also available on request)



### 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

Product Dimensions (inch/mm)						
Size		As supplied		After Recovery(mm)		Standard Package
Inch	mm	Internal diameter (mm)	Wall thickness (mm)	Internal diameter Max(mm)	Wall thickness (mm)	Spool Length (m/spool)
3/64	1.2	1.1±0.2	0.18±0.05	0.50	0.33+/-0.10	200
1/16	1.6	1.5±0.2	0.20±0.05	0.65	0.36+/-0.10	200
3/32	2.4	2.5±0.2	0.20±0.05	1.00	0.45+/-0.10	200
1/8	3.2	3.5±0.2	0.20±0.05	1.50	0.45+/-0.10	200
3/16	4.8	5.0±0.2	0.28±0.05	2.30	0.56+/-0.10	100
1/4	6.4	6.5±0.2	0.28±0.05	3.0	0.56+/-0.10	100
5/16	7.9	8.5±0.3	0.30±0.08	4.0	0.56+/-0.10	100
3/8	9.5	9.5±0.3	0.30±0.08	4.5	0.56+/-0.10	100
1/2	12.7	12.5±0.3	0.30±0.08	6.0	0.56+/-0.10	100
5/8	15.9	16.5±0.4	0.35±0.10	8.0	0.70+/-0.10	100
3/4	19.0	19.0±0.5	0.35±0.10	9.0	0.70+/-0.10	100
1	25.4	26.0±0.5	0.45±0.12	12.5	0.90+/-0.15	50
1-1/4	31.7	31.5±1.0	0.45±0.12	15.0	1.00+/-0.15	50
1-1/2	38.1	41.5±1.0	0.50±0.12	20.0	1.00+/-0.15	50
2	50.8	≥50	0.50±0.15	25.0	1.10+/-0.20	25
3	76.2	≥80	0.65±0.20	40.0	1.46+/-0.20	25
4	101.6	≥100	0.65±0.20	50.0	1.46+/-0.20	25
5	127	≥120	0.65±0.20	60.0	1.46+/-0.20	25
6	152.4	≥150	0.65±0.20	75.0	1.46+/-0.20	25
7	177.8	≥180	0.65±0.20	90.0	1.46+/-0.20	25