

SHW-1-H (3X)

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 3:1
- 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	≥ 10.4 Mpa
Ultimate Elongation	ASTM D2671	$\geq 200\%$
Longitudinal Shrinkage	UL 224	+/-5%
Heat Aging Tensile Strength Ultimate Elongation	158°C, 168hrs	≥ 7.3 Mpa $\geq 100\%$
Heat shock	250°C, 4hrs	No cracking, No dripping
Flammability	FMVSS302	Pass
Dielectric Strength	ASTM D150	≥ 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 Min.(mm)	Internal diameter Max.(mm)	Wall thickness(mm)	Spool Length (m/spool)
1/16	1.5	1.5	0.5	0.45+/-0.10	200
1/8	3.0	3.0	1.0	0.55+/-0.10	200
3/16	4.5	4.5	1.5	0.60+/-0.10	100
1/4	6.0	6.0	2.0	0.65+/-0.10	100
3/8	9.0	9.0	3.0	0.75+/-0.15	100
1/2	12.0	12.0	4.0	0.75+/-0.15	100
5/8	15.0	15.0	5.0	0.80+/-0.15	100
3/4	18.0	18.0	6.0	0.85+/-0.15	100
1	24.0	24.0	8.0	1.00+/-0.20	50
1-1/4	30.0	30.0	10.0	1.15+/-0.20	50
1-1/2	39.0	39.0	13.0	1.50+/-0.20	50
2	50	50	16	2.50+/-0.20	25
	60	60	20	2.60+/-0.20	25
	70	70	23	2.60+/-0.20	25
3	80	80	26	2.60+/-0.20	25
	90	90	30	2.60+/-0.20	25
4	100	100	33	2.60+/-0.20	25

Product Code Table

Description.	Product Code
Heatshrink Tubing (FR) 3:1 1.50mm Black 1.22m	HS510-1.22M
Heatshrink Tubing (FR) 3:1 3.00mm Black 1.22m	HS511-1.22M
Heatshrink Tubing (FR) 3:1 4.50mm Black 1.22m	HS512-1.22M
Heatshrink Tubing (FR) 3:1 6.00mm Black 1.22m	HS513-1.22M
Heatshrink Tubing (FR) 3:1 9.00mm Black 1.22m	HS514-1.22M
Heatshrink Tubing (FR) 3:1 12.00mm Black 1.22m	HS515-1.22M
Heatshrink Tubing (FR) 3:1 18.00mm Black 1.22m	HS516-1.22M
Heatshrink Tubing (FR) 3:1 24.00mm Black 1.22m	HS517-1.22M
Heatshrink Tubing (FR) 3:1 39.00mm Black 1.22m	HS518-1.22M
Heatshrink Tubing (FR) 3:1 1.50mm Black 5m	HS510-5M
Heatshrink Tubing (FR) 3:1 3.00mm Black 5m	HS511-5M
Heatshrink Tubing (FR) 3:1 4.50mm Black 5m	HS512-5M
Heatshrink Tubing (FR) 3:1 6.00mm Black 5m	HS513-5M
Heatshrink Tubing (FR) 3:1 9.00mm Black 5m	HS514-5M

Heatshrink Tubing (FR) 3:1 12.00mm Black 5m	HS515-5M
Heatshrink Tubing (FR) 3:1 18.00mm Black 5m	HS516-5M
Heatshrink Tubing (FR) 3:1 24.00mm Black 5m	HS517-5M
Heatshrink Tubing (FR) 3:1 39.00mm Black 5m	HS518-5M