

# W-1-H(RSFR-H)

Zero halogen,flexible  
heat shrink tubing



## Features

- Flexible
- Zero halogen
- Flame retardant
- low smoke generation if burning
- Continuous Operating
- Temperature:-45°C to 125°C
- Shrink Temperature:120°C
- RoHS and Sony compliant



## Dimensions

SIZE		AS SUPPLIED	AFTER RECOVERY		STANDARD PACKAGE
Inch	mm	INTERNAL DIAMETER mm	INTERNAL DIAMETER MAX mm	WALL THICKNESS NOM mm	SPOOL LENGTH M/spool
3/64	0.8	1.1 ± 0.2	0.50	0.22	200
1/16	1.0	1.5 ± 0.2	0.65	0.28	200
	1.5	2.0 ± 0.2	0.85	0.32	200
3/32	2.0	2.5 ± 0.2	1.00	0.35	200
	2.5	3.0 ± 0.2	1.30	0.38	200
1/8	3.0	3.5 ± 0.2	1.50	0.40	200
	3.5	4.0 ± 0.2	1.80	0.42	200
3/16	4.0	4.5 ± 0.2	2.00	0.45	200
	4.5	5.0 ± 0.2	2.30	0.50	200
1/4	5.0	5.5 ± 0.2	2.5	0.55	100
	6.0	6.5 ± 0.2	3.0	0.55	100
5/16	7.0	7.5 ± 0.3	3.5	0.55	100
	8.0	8.5 ± 0.3	4.0	0.60	100
3/8	9.0	9.5 ± 0.3	4.5	0.60	100
	10.0	10.5 ± 0.3	5.0	0.60	100
1/2	11.0	11.5 ± 0.3	5.5	0.60	100
	12.0	12.5 ± 0.3	6.0	0.60	100
5/8	13.0	13.5 ± 0.3	6.5	0.65	100
	14.0	14.5 ± 0.3	7.0	0.65	100
3/4	15.0	15.5 ± 0.4	7.5	0.70	100
	16.0	16.5 ± 0.4	8.0	0.70	100
1	17.0	17.5 ± 0.4	8.5	0.70	100
	18.0	19.0 ± 0.5	9.0	0.80	100
1-1/4	20.0	21.0 ± 0.5	10.0	0.80	100
	22.0	23.0 ± 0.5	11.0	0.80	100
1-1/2	25.0	26.0 ± 0.5	12.5	0.90	50
	28.0	29.0 ± 0.5	14.0	0.90	50
2	30.0	31.5 ± 1.0	15.0	0.95	50
	35.0	36.5 ± 1.0	17.5	1.00	50
3	40.0	41.5 ± 1.0	20.0	1.00	50
	45.0	46.5 ± 1.0	22.5	1.00	25
4	50.0	≥ 50	25.0	1.00	25
	60.0	≥ 60	31.0	1.30	25
5	70.0	≥ 70	36.0	1.30	25
	80.0	≥ 80	41.0	1.46	25
6	90.0	≥ 90	46.0	1.46	25
	100.0	≥ 100	51.0	1.46	25
7	120.0	≥ 120	61.0	1.56	25
	150.0	≥ 150	76.0	1.56	25
180.0	≥ 180	91.0	1.56	25	

## Technical Data

### Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D2671	10.4MPa
Elongation(%)	ASTM D2671	200
Tensile Strength after Heat aging	UL 224 158°C X168hrs	≥ 7.3
Elongation after Heat aging	UL 224 158°C X168hrs	≥ 100
Heat shock	UL 224 250°C X4hrs	NO dripping NO cracking

### Electrical

Property	Test Method	Typical Performance
Dielectric Strength	IEC 243	≥ 15kv/mm
Volume Resistivity	IEC 93	≥ 1 × 10 <sup>14</sup> Ω · cm

### Chemical

Property	Test Method	Typical Performance
Corrosion Action	UL 224 158°C X168hrs	PASS
Copper Compatibility	UL 224 158°C X168hrs	PASS