



J. M. Engineering Co.

A Complete Process Control automation

Single Wall Heat Shrink Tubing

Heat Shrink Sleeve



Yellow/Green Stripped flexible flame-retardant single wall tubing W-1-HL(2X,3X)



Features

1. Flexible
2. Flame retardant
3. Operating Temperature:-55? to 125?
4. Shrink Ratio:2:1,3:1
5. Shrink Temperature:120?
6. RoHS Compliant

Dimensions

W-1-HL(2X)					
Size		As supplied	After Recovery(mm)		Standard Package
(mm)	Internal Diameter	Wall Thickness	Internal Diameter)	Wall Thickness	(m/spool)
F1.0	1.5±0.3	0.15±0.08	≈0.65	0.28±0.10	200
F1.5	2.0±0.3	0.18±0.08	≈0.85	0.32±0.10	200
F2.0	2.5±0.3	0.18±0.08	≈1.00	0.4±0.10	200
F2.5	3.0±0.3	0.18±0.08	≈1.30	0.4±0.10	200
F3.0	3.5±0.4	0.18±0.08	≈1.50	0.4±0.10	200
F3.5	4.0±0.4	0.22±0.08	≈1.80	0.42±0.10	200
F4.0	4.5±0.4	0.25±0.08	≈2.00	0.45±0.10	200
F4.5	5.0±0.4	0.25±0.08	≈2.30	0.50±0.10	100
F5.0	5.5±0.4	0.25±0.08	≈2.50	0.55±0.10	100
F6.0	6.5±0.4	0.28±0.08	≈3.00	0.55±0.10	100
F7.0	7.5±0.4	0.28±0.08	≈3.50	0.55±0.10	100
F8.0	8.5±0.5	0.28±0.10	≈4.00	0.6±0.10	100
F9.0	9.5±0.5	0.30±0.10	≈4.50	0.6±0.10	100
F10	10.5±0.5	0.30±0.10	≈5.00	0.6±0.10	100
F11	11.5±0.5	0.30±0.10	≈5.50	0.6±0.10	100
F12	12.5±0.5	0.30±0.10	≈6.00	0.65±0.10	100
F13	13.5±0.5	0.35±0.12	≈6.50	0.65±0.10	100
F14	14.5±0.5	0.35±0.12	≈7.00	0.7±0.10	100
F15	15.5±0.6	0.40±0.12	≈7.50	0.75±0.10	100
F16	17.0±0.6	0.40±0.12	≈8.00	0.75±0.10	100
F17	17.5±0.6	0.40±0.12	≈8.50	0.75±0.10	100
F18	19.0±0.7	0.40±0.15	≈9.00	0.8±0.15	100
F20	22.0±0.7	0.40±0.15	≈10.00	0.82±0.15	100
F22	24.0±0.7	0.40±0.15	≈11.00	0.82±0.15	100
F25	26.0±0.7	0.55±0.15	≈12.50	1±0.15	50
F28	29.0±0.7	0.55±0.15	≈14.00	1±0.15	50
F30	31.5±0.7	0.55±0.15	≈15.00	1.05±0.15	50
F35	36.5±0.7	0.55±0.15	≈17.50	1.15±0.15	50
F40	41.5±0.7	0.55±0.15	≈20.00	1.20±0.15	50
F45	46.0±0.7	0.55±0.15	≈22.50	1.20±0.15	25
F50	51.0±0.7	0.55±0.15	≈25.00	1.20±0.15	25
F60	≈60	0.60±0.15	≈30.00	1.5±0.2	25
F70	≈70	0.65±0.15	≈35.00	1.6±0.2	25
F80	≈80	0.70±0.15	≈40.00	1.7±0.2	25
F90	≈90	0.75±0.15	≈45.00	1.9±0.2	25
F100	≈100	0.80±0.20	≈50.00	2.10±0.2	25
F120	≈120	0.85±0.20	≈60.00	2.20±0.2	25
F150	≈150	0.90±0.20	≈75.00	2.20±0.2	25
F180	≈180	0.95±0.30	≈90.00	2.30±0.2	25

J. M. Engineering Co.

2

W-1-HL(3X)					
Size		As supplied Internal Diameter(min)	After Recovery(mm)		Standard Package
Inch	Metric(mm)		Max Internal diameter(mm)	Wall thickness(mm)	(m/spool)
1/8	3.2	3.2	1.0	0.60±0.15	200
3/16	4.8	4.8	1.5	0.65±0.15	100
¼	6.4	6.4	2.0	0.70±0.15	100
3/8	9.5	9.5	3.0	0.80±0.15	50
½	12.7	12.7	4.0	0.95±0.20	50
¾	19.1	19.1	6.0	1.10±0.20	50
1	25.4	25.4	8.0	1.25±0.20	50
1 1/2	39	39	13	1.40±0.20	50

Technical Data

Property	Test Method	Standard
Tensile strength(MPa)	ASTM D2671	≈10.4
Elongation(%)	ASTM D2671	≈200
Dielectric strength(kv/mm)	IEC 243	≈15
Volume resistivity(O cm)	IEC 93	≈1×10 ¹⁴
Tensile strength after aging	UL224 158?×168hr	≈7.3
Elongation after aging(%)	UL224 158?×168hr	J. M. Engineering Co.
Heat shock	UL224 250?×4hr	No cracking
Flammability	UL224	Vw-1

J. M. Engineering Co.

3