

## W-1-HL(2X, 3X)

Yellow/Green Stripped,flexible,flame-retardant.



### Features

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



W-1-HL(2X)					
Size	As supplied(mm)		After Recovery(mm)		Standard Package
(mm)	Internal Diameter	Wall Thickness	Internal diameter	Wall thickness	(m/spool)
Φ1.0	1.5±0.3	0.15±0.08	≤0.65	0.28±0.10	200
Φ1.5	2.0±0.3	0.18±0.08	≤0.85	0.32±0.10	200
Φ2.0	2.5±0.3	0.18±0.08	≤1.00	0.4±0.10	200
Φ2.5	3.0±0.3	0.18±0.08	≤1.30	0.4±0.10	200
Φ3.0	3.5±0.4	0.18±0.08	≤1.50	0.4±0.10	200
Φ3.5	4.0±0.4	0.22±0.08	≤1.80	0.42±0.10	200
Φ4.0	4.5±0.4	0.25±0.08	≤2.00	0.45±0.10	200
Φ4.5	5.0±0.4	0.25±0.08	≤2.30	0.50±0.10	100
Φ5.0	5.5±0.4	0.25±0.08	≤2.50	0.55±0.10	100
Φ6.0	6.5±0.4	0.28±0.08	≤3.00	0.55±0.10	100
Φ7.0	7.5±0.4	0.28±0.08	≤3.50	0.55±0.10	100
Φ8.0	8.5±0.5	0.28±0.10	≤4.00	0.6±0.10	100
Φ9.0	9.5±0.5	0.30±0.10	≤4.50	0.6±0.10	100
Φ10	10.5±0.5	0.30±0.10	≤5.00	0.6±0.10	100
Φ11	11.5±0.5	0.30±0.10	≤5.50	0.6±0.10	100
Φ12	12.5±0.5	0.30±0.10	≤6.00	0.65±0.10	100
Φ13	13.5±0.5	0.35±0.12	≤6.50	0.65±0.10	100
Φ14	14.5±0.5	0.35±0.12	≤7.00	0.7±0.10	100
Φ15	15.5±0.6	0.40±0.12	≤7.50	0.75±0.10	100
Φ16	17.0±0.6	0.40±0.12	≤8.00	0.75±0.10	100
Φ17	17.5±0.6	0.40±0.12	≤8.50	0.75±0.10	100

Φ18	19.0±0.7	0.40±0.15	≤9.00	0.8±0.15	100
Φ20	22.0±0.7	0.40±0.15	≤10.00	0.82±0.15	100
Φ22	24.0±0.7	0.40±0.15	≤11.00	0.82±0.15	100
Φ25	26.0±0.7	0.55±0.15	≤12.50	1±0.15	50
Φ28	29.0±0.7	0.55±0.15	≤14.00	1±0.15	50
Φ30	31.5±0.7	0.55±0.15	≤15.00	1.05±0.15	50
Φ35	36.5±0.7	0.55±0.15	≤17.50	1.15±0.15	50
Φ40	41.5±0.7	0.55±0.15	≤20.00	1.20±0.15	50
Φ45	46.0±0.7	0.55±0.15	≤22.50	1.20±0.15	25
Φ50	51.0±0.7	0.55±0.15	≤25.00	1.20±0.15	25
Φ60	≥60	0.60±0.15	≤30.00	1.5±0.2	25
Φ70	≥70	0.65±0.15	≤35.00	1.6±0.2	25
Φ80	≥80	0.70±0.15	≤40.00	1.7±0.2	25
Φ90	≥90	0.75±0.15	≤45.00	1.9±0.2	25
Φ100	≥100	0.80±0.20	≤50.00	2.10±0.2	25
Φ120	≥120	0.85±0.20	≤60.00	2.20±0.2	25
Φ150	≥150	0.90±0.20	≤75.00	2.20±0.2	25
Φ180	≥180	0.95±0.30	≤90.00	2.30±0.2	25

W-1-HL(3X)					
Size		As supplied Internal Diameter(min)	After Recovery(mm)		Standard Package (m/spool)
Inch	Metric(mm)		Max Internal diameter(mm)	Wall thickness(mm)	
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
1/4	6.4	6.4	2.0	0.70±0.15	100
3/8	9.5	9.5	3.0	0.80±0.15	50
1/2	12.7	12.7	4.0	0.95±0.20	50
3/4	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(Ω cm)	IEC 93	≥1×10 <sup>14</sup>
Tensile strength after aging	UL224 158°C×168hr	≥7.3
Elongation after aging(%)	UL224 158°C×168hr	≥100
Heat shock	UL224 250°C×4hr	No cracking
Flammability	UL224	Vw-1