

# H-5(3X)-F/H-5(4X)-F Dual Wall Tubing

Adhesive Lined, Flame Retardant, High Flexible Tubing



## Features:

- Crosslinked adhesive lined polyolefin
- Co-extrusion technology
- Excellent sealing and insulation properties
- Excellent electrical and mechanical
- UV resistance
- Highly flame retardant
- Operating temp.: -55°C to +125°C
- Min. shrink temp.: 70°C
- Min. full recovery temp.: 110°C
- Shrink ratio: 3:1 & 4:1
- RoHS compliant
- Meets: SAE-AMS-DTL-23053/4
- (clear is non flame retardant)

## Approvals:

- 125°C VW-1 600V
- File No: E204071

## Technical properties:

Property	Test Method	Typical Data
<b>Property of jacket</b>		
Tensile strength	ASTM D 2671	> 13 MPa
Ultimate elongation	ASTM D 2671	> 400%
Longitudinal shrinkage	UL 224	0 to -10%
Eccentricity	ASTM D 2671	< 40%
Heat aging		
Tensile strength	158°C, 168 hrs.	> 11 MPa
Ultimate elongation		> 300%
Flammability	VW-1	Pass
Voltage withstand	ASTM D 2671/AC 2500V, 1 min.	No breakdown
Volume resistance	ASTM D 2671	> 10 <sup>14</sup> Ω.cm
Copper stability	UL 224	Pass
Copper corrosion	UL 224	No corrosion
<b>Property of adhesive</b>		
Ring-ball soft point	ASTM E28	95 ± 5°C

## Dimensions:

Size (inch)	As supplied (mm)		After recovered (mm)		Standard length (m)	Spool length (m)
	(mm)	D*(Min.)	d*(Max.)	w1*(Min.) w2*(Nom.)		
<b>H-5(3X)-F 3:1 Adhesive-lined tubing, shrink ratio 3:1</b>						
1/8	3/1	3.0	1.0	1.00 0.5	1.22	150
3/16	4.8/1.5	4.8	1.5	1.00 0.5	1.22	75
1/4	6/2	6.0	2.0	1.00 0.5	1.22	75
3/8	9/3	9.0	3.0	1.40 0.6	1.22	75
1/2	12/4	12.0	4.0	1.60 0.8	1.22	50
3/4	19/6	19.0	6.0	2.15 0.8	1.22	25
1	24/8	24.0	8.0	2.40 1.0	1.22	25
1½	40/13	40.0	13.0	2.40 1.0	1.22	25
<b>H-5(4X)-F 4:1 Adhesive-lined tubing, shrink ratio 4:1</b>						
3/16	4/1	4.0	1.0	1.00 0.5	1.22	150
5/16	8/2	8.0	2.0	1.00 0.5	1.22	150
1/2	12/3	12.0	3.0	1.40 0.6	1.22	75
5/8	16/4	16.0	4.0	1.60 0.8	1.22	50
1	24/6	24.0	6.0	2.15 0.8	1.22	25
1¼	32/8	32.0	8.0	2.40 1.0	1.22	25
1½	38.1/9.5	38.1	9.5	2.40 1.0	1.22	25
2	52/13	52.0	13.0	2.40 1.0	1.22	25

D\* = Inner diameter as supplied    d\* = Inner diameter after fully recovered    w1\* = Total recovered wall thickness  
w2\* = Recovered wall thickness off adhesive

## Ordering information:

### Standard colors:

Black

### Special colors:

N/A

### Packaging:

Other: Other cut lengths are available, please contact our sales department.