

# LSHF



## Flame Retardant Adhesive-Lined Heavy Wall Cross-linked Polyolefin Heat Shrink Tubing

Adhesive-lined heavy wall heat shrink tubing insulates and protects electrical splice and terminations where maximum flame retardancy and exceptional insulating and sealing characteristics are required

## Features and Application

3:1 shrink ratio

Flame retardant

LSHF tubing will not split or rupture during installation, when overheated

Thermoplastic adhesive liner for complete environmental protection and insulation

Tubing without adhesive is available upon request

Standard color is black, other color is available upon request

Continuous operating temperature: -45°C-125°

Shrinking temperature: 125°C

## Dimensions 3:1 (3X)

Size	Expand- ed	After Recovery				Standard Package M/pc
		Internal Diameter mm(min)	Internal Diameter mm(max)	Outer wall Thickness mm(nom)	Adhesive Thickness mm(nom)	
9/3	≥9,0	≤3,0	2,00±0,35	0,45±0,20	2,45±0,35	1,22
13/4	≥13,0	≤4,0	2,30±0,35	0,45±0,20	2,80±0,35	1,22
20/6	≥20,0	≤6,0	2,30±0,35	0,60±0,20	2,90±0,35	1,22
28/9	≥28,0	≤9,0	2,30±0,35	0,70±0,20	3,00±0,40	1,22
33/10.2	≥33,0	≤10,2	2,80±0,35	0,70±0,20	3,60±0,40	1,22
38.1/12	≥38,1	≤12,0	3,10±0,35	0,70±0,20	3,85±0,50	1,22
43.2/12	≥43,2	≤12,0	3,50±0,35	0,70±0,20	4,20±0,50	1,22
51/16	≥51,0	≤16,0	3,70±0,35	0,70±0,20	4,40±0,50	1,22
75/22	≥75,0	≤22,0	3,65±0,40	0,70±0,20	4,40±0,50	1,22
85/25	≥85,0	≤25,0	3,65±0,40	0,70±0,20	4,40±0,50	1,22
105/30	≥105,0	≤30,0	3,85±0,40	0,70±0,20	4,50±0,50	1,22
120/36	≥120,0	≤36,0	3,85±0,40	0,70±0,20	4,50±0,50	1,22
130/36	≥130,0	≤36,0	3,85±0,40	0,70±0,20	4,50±0,50	1,22
140/42	≥140,0	≤42,0	3,85±0,40	0,70±0,20	4,50±0,50	1,22

### TECHNICAL DATA SHEET

Revision Number. 1

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## Technical Data

Property	Test method	Standard Performance
Tensile strength(MPa)	ASTMD 2671	≥10,4
Elongation(%)	ASTMD 2671	≥200
Tensile strength after aging(MPa)	UL224 158°C*168h	≥8,3
Elongation after aging (%)	UL224 158°C*168h	≥100
Dielectric strength(kV/mm)	IEC 60243	≥15
Volume resistivity(Ω.cm)	IEC 60093	≥10 <sup>14</sup>
Longitudinal Shrink Ratio (%)	UL224	≤± 10%

## Adhesive

Property	Test method	Standard Performance
Water Absorption	ASTM D 570	<0,2%
Softening Point(°C)	ASTM E 28	95±5
Peel strength (PE)	ASTM D 1000	120N/25mm
Peel strength (AL)	ASTM D 1000	80N/25mm