



Adhesive lined heatshrink 3:1 thin wall.

Key features.

- High shrink ratio of 3:1 makes for extremely easy installation
- Ideal for waterproof sealing and encapsulation of harnesses and other electrical components
- Dual wall flexible flame retardant polyolefin tubing and an inner liner of hot melt adhesive

Specification.

Material:
Flame retardant polyolefin

Colour options:
Black, clear or red

Installation temperature:
110°C

Longitudinal change:
0% to 15%

Dielectric strength:
12 kV/mm min

Thermal heat aging:
168 hours at 150°C, 4 hours at 225°C; low temperature flexibility - 4 hours of -55°C

Flame retardancy:
Rated at 600V, it meets the VWI flame retardancy test in accordance with UL 224

Flammability:
Fire hazard duration of burning 60s max. to ASTM D2671 (Jacket only, not including transparent)

Chemical resistance:
Fluid resistance at 23°C for 24 hours for the following fluids: F-54 diesel fluid, H-515 hydraulic fluid, 0-149 lubricating oil

Part number	Colour	Size (mm)	Min. dia. supplied (mm)	Max. dia. recovered (mm)	Recovered wall thickness (mm)	Length (m)
HSAL 3/1 BLK	Black	3/1	3.0	0.6	1.0	1.2
HSAL 4.8/1.5 BLK	Black	4.5/1.5	4.8	1.5	1.1	1.2
HSAL 6/2 BLK	Black	6/2	6.0	2.0	1.2	1.2
HSAL 9/3 BLK	Black	9/3	9.0	3.0	1.3	1.2
HSAL 12/4 BLK	Black	12/4	12.0	4.0	1.7	1.2
HSAL 16/4 BLK	Black	16/4	16.0	4.0	1.8	1.2
HSAL 19/6 BLK	Black	19/6	19.0	6.0	2.0	1.2
HSAL 24/8 BLK	Black	24/8	24.0	8.0	2.2	1.2
HSAL 40/13 BLK	Black	40/13	40.0	13.0	2.5	1.2
HSAL 3/1 CLEAR	Clear	3/1	3.0	0.6	1.0	1.2
HSAL 4.8/1.5 CLEAR	Clear	4.5/1.5	4.8	1.5	1.1	1.2
HSAL 6/2 CLEAR	Clear	6/2	6.0	2.0	1.2	1.2
HSAL 9/3 CLEAR	Clear	9/3	9.0	3.0	1.3	1.2
HSAL 12/4 CLEAR	Clear	12/4	12.0	4.0	1.7	1.2
HSAL 16/4 CLEAR	Clear	16/4	16.0	4.0	1.8	1.2
HSAL 19/6 CLEAR	Clear	19/6	19.0	6.0	2.0	1.2
HSAL 24/8 CLEAR	Clear	24/8	24.0	8.0	2.2	1.2
HSAL 40/13 CLEAR	Clear	40/13	40.0	13.0	2.5	1.2
HSAL3/1 RED	Red	3/1	3.0	0.6	1.0	1.2
HSAL 4.8/1.5 RED	Red	4.5/1.5	4.8	1.5	1.1	1.2
HSAL 6/2 RED	Red	6/2	6.0	2.0	1.2	1.2
HSAL 9/3 RED	Red	9/3	9.0	3.0	1.3	1.2
HSAL 12/4 RED	Red	12/4	12.0	4.0	1.7	1.2
HSAL 16/4 RED 1.2M	Red	16/4	16.0	4.0	1.8	1.2
HSAL 19/6 RED	Red	19/6	19.0	6.0	2.0	1.2
HSAL 24/8 RED	Red	24/8	24.0	8.0	2.2	1.2
HSAL40/13RED	Red	40/13	40.0	13.0	2.5	1.2

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