



Comprising of a dual wall flexible flame retardant polyolefin tubing and an inner liner of hot melt adhesive, this tubing is ideal for waterproof sealing and encapsulation of harnesses and other electrical components. Its high shrink ratio of 3:1 makes for an extremely easy installation.

### SPECIFICATION:

<b>MATERIAL:</b> Flame Retardant Polyolefin
<b>COLOUR OPTIONS:</b> Black, Clear or Red
<b>INSTALLATION TEMPERATURE:</b> 110°C
<b>LONGITUDINAL CHANGE:</b> 0% to 15%
<b>DIELECTRIC STRENGTH:</b> 12kV/mm min
<b>THERMAL HEAT AGEING:</b> 168 Hours at 150°C, 4 Hours at 225°C; Low Temperature Flexibility 4 Hours at -55°C
<b>FLAME RETARDANCY:</b> Rated at 600V meets the VWI flame retardancy test in accordance with UL 224.
<b>FLAMMABILITY:</b> Fire hazard duration of burning 60s max to ASTM D2671 (jacket only, not including transparent).
<b>CHEMICAL RESISTANCE:</b> 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 NUMBERS:

PART NO.	COLOUR	SIZE (mm)	MIN. DIA. SUPPLIED (mm)	MAX. DIA. RECOVERED (mm)	RECOVERED WALL THICKNESS (mm)	LENGTH (m)
<b>ADHESIVE LINED HEATSHRINK 3:1 - BLACK</b>						
HSAL3/1BLK	Black	3/1	3.0	0.6	1.0	1.2
HSAL4.8/1.5BLK	Black	4.5/1.5	4.8	1.5	1.1	1.2
HSAL6/2BLK	Black	6/2	6.0	2.0	1.2	1.2
HSAL9/3BLK	Black	9/3	9.0	3.0	1.3	1.2
HSAL12/4BLK	Black	12/4	12.0	4.0	1.7	1.2
HSAL19/6BLK	Black	19/6	19.0	6.0	2.0	1.2
HSAL24/8BLK	Black	24/8	24.0	8.0	2.2	1.2
HSAL40/13BLK	Black	40/13	40.0	13.0	2.5	1.2

PART NO.	COLOUR	SIZE (mm)	MIN. DIA. SUPPLIED (mm)	MAX. DIA. RECOVERED (mm)	RECOVERED WALL THICKNESS (mm)	LENGTH (m)
<b>ADHESIVE LINED HEATSHRINK 3:1 - CLEAR</b>						
HSAL3/1C	Clear	3/1	3.0	0.6	1.0	1.2
HSAL4.8/1.5C	Clear	4.5/1.5	4.8	1.5	1.1	1.2
HSAL6/2C	Clear	6/2	6.0	2.0	1.2	1.2
HSAL9/3C	Clear	9/3	9.0	3.0	1.3	1.2
HSAL12/4C	Clear	12/4	12.0	4.0	1.7	1.2
HSAL19/6C	Clear	19/6	19.0	6.0	2.0	1.2
HSAL24/8C	Clear	24/8	24.0	8.0	2.2	1.2
HSAL40/13C	Clear	40/13	40.0	13.0	2.5	1.2
<b>ADHESIVE LINED HEATSHRINK 3:1 - RED</b>						
HSAL3/1RED	Red	3/1	3.0	0.6	1.0	1.2
HSAL4.8/1.5RED	Red	4.5/1.5	4.8	1.5	1.1	1.2
HSAL6/2RED	Red	6/2	6.0	2.0	1.2	1.2
HSAL9/3RED	Red	9/3	9.0	3.0	1.3	1.2
HSAL12/4RED	Red	12/4	12.0	4.0	1.7	1.2
HSAL19/6RED	Red	19/6	19.0	6.0	2.0	1.2
HSAL24/8RED	Red	24/8	24.0	8.0	2.2	1.2
HSAL40/13RED	Red	40/13	40.0	13.0	2.5	1.2



**CABLECRAFT**  
creative wiring solutions



Cablecraft House, Circle Business Centre, Blackburn Road, Houghton-Regis, Bedfordshire, LU5 5DD.  
Phone: 01582 606033 • Fax: 01582 606063 • Email: sales@cablecraft.co.uk • Web: www.cablecraft.co.uk

VAT NO. GB 639 920 900 • CO. REG. NO. 2478297