

## CABAC Heatshrink Tubing Range & Tubing Selection

Heatshrink, especially flame retardant heatshrink, is a very complex material science and CABAC have pioneered a chemical cross-linked process, that uses advanced compounding, extruding, curling and expanding. The table below summarises our range to help you with your selection.

Thin Wall						
Part No.	Main Characteristics	Main Use	Shrink Ratio (Nominal)	Shrink Temperature 0°C	Operating Temperature 0°C	Application Range Dia. (mm)
<b>XLP</b>	Thin Wall, Flame Retardant UV Resistant	Insulation Colour Coding	2:1	>100	-75 to 135	0.75 to 110 General Purpose
<b>XLH</b>	High Shrink Ratio, Thin Wall	Cord Ends	3:1	>110	-75 to 135	0.5 to 11 Flame Retardant
<b>XDW</b>	Glue Lined, Thin Wall, High Shrink	Cord Ends	3:1	90 to 125	-55 to 110	0.6 to 34 Mechanical Protection

Medium Wall						
Part No.	Main Characteristics	Main Use	Shrink Ratio (Nominal)	Shrink Temperature 0°C	Operating Temperature 0°C	Application Range Dia. (mm)
<b>SMDW</b>	Glue Lined, Medium Walled Waterproof	Joints and Terminations	3.5:1	105 to 135	-55 to 110	3 to 110 General Purpose

Thick Wall						
Part No.	Main Characteristics	Main Use	Shrink Ratio (Nominal)	Shrink Temperature 0°C	Operating Temperature 0°C	Application Range Dia. (mm)
<b>STDW</b>	Thick Walled, Glue Lined, High Stick and Mechanical Strength	Joints and Terminations	4:1	120	-55 to 110	3 to 65 Critical Areas Super Waterproof

These charts below are useful for selection of heatshrink. The 'lay flat' dimension of heatshrink is commonly used with large diameter heatshrink tubes, where the heatshrink is measured flattened out, and the flat dimension measured. The table below is used to convert this into a diameter as used by CABAC.

The bus bar table is useful to work out heatshrink requirements for bus bars. It is important to allow for bends, and use one size up if the bar has many bends. This makes it easier to get the heatshrink onto the bar.

### Bus Bars Heatshrink Selection

Bus Bar Recommended Heatshrink for Bus Bar Width (mm)									
Thickness (mm)	12	19	25	38	51	76	102	125	152
3.2	XLP13	XLP20	XLP25	XLP38	XLP51	XLP76	XLP102	XLP102	XLP125
4.8	XLP13	XLP20	XLP25	XLP38	XLP51	XLP76	XLP102	XLP102	XLP125
6.4		XLP20	XLP25	XLP38	XLP51	XLP76	XLP102	XLP102	XLP125
9.5				XLP38	XLP51	XLP76	XLP102	XLP102	XLP125
12.7					XLP51	XLP76	XLP102	XLP102	XLP125

Note: If bar has bends you may have to use a larger diameter heatshrink.

### Lay Flat To Circular

Heatshrink Internal Conversion to Lay Flat Dimension	
Internal Diameter (mm)	Lay Flat (mm)
5	8
7	11
10	16
13	20
16	25
20	31
25	39

### Lay Flat To Circular

Heatshrink Internal Conversion to Lay Flat Dimension	
Internal Diameter (mm)	Lay Flat (mm)
25	39
32	50
38	60
51	80
76	120
102	160
125	196

### Metric vs. Imperial

Metric (mm)	Imperial (inch)
1.6	1/16
3.2	1/8
4.8	3/16
6.4	1/4
8.0	5/16
9.5	3/8
12.7	1/2