

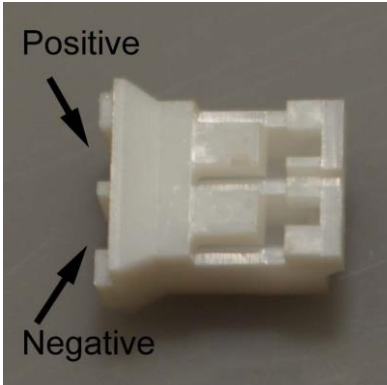
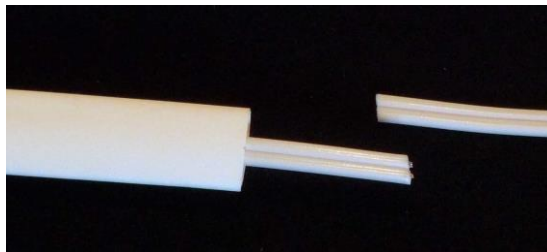


## Termination of 24VD170W Power Supply Leads for use with Somfy ST30 Motors

<p><b><u>24VD170W Wire Polarity</u></b></p> <p>See Power Supply Label</p>	<p><b><u>Sonesse ST30 Lead Polarity</u></b></p> <p><b><u>As supplied by Somfy w/motor</u></b> Positive (+) – White Wire w/ Black Line Negative (-) – Solid White Wire</p>  <p><b><u>As supplied by AVO as custom lead</u></b> Tinned Copper Wire – Negative (-) Copper Wire – Positive (+)</p> 	
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### Optional Splice Connection - Connecting the 24VD170W to a ST30 Motor

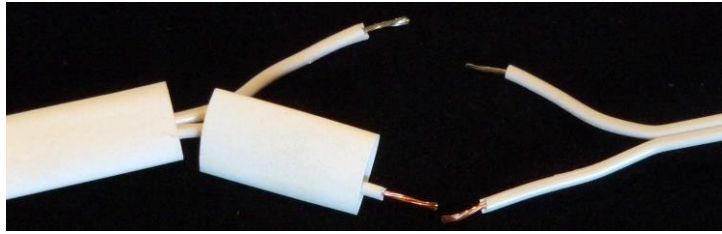
- 1) Determine which wires are positive and negative on both the power supply and ST30 lead.
- 2) Cut the heat shrink tubing supplied with the optional Butt Splice Kit into 3 Pieces. 1.5", 0.75" and 0.75"
- 3) Put the 1.5" Piece of Heat Shrink Tube over both positive and negative leads of one of the wires.



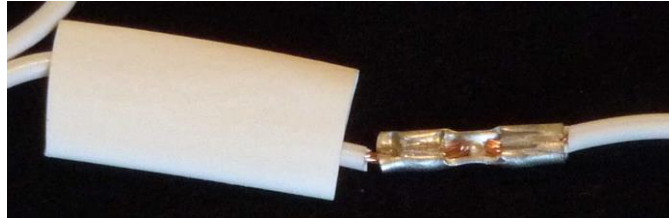
- 4) Separate the positive and negative wires app. 1" and strip the insulation off each wire to ½ the length of the butt splice. Note: Cut off solder tinned leads if they are present. The stripped portion to be crimped must be stranded copper.



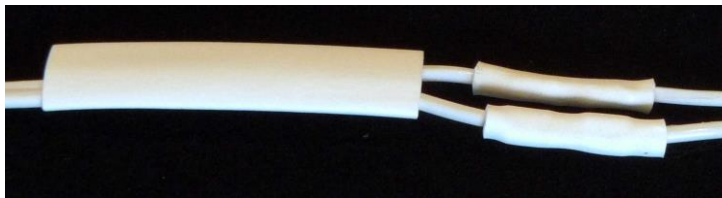
- 5) Slide on  $\frac{3}{4}$ " Heat Shrink onto one of the positive leads.



- 6) Slide the positive wires into opposing ends of the butt splice until each is visible in the center of the splice and crimp.



- 7) Pull on the wires to ensure a good crimp is achieved.
- 8) Repeat Steps 5, 6 & 7 for the negative lead.
- 9) Center the individual  $\frac{3}{4}$ " heat shrink over the butt splice connections and shrink the tube using a heat shrink gun, hair dryer or lighter. Use caution to prevent burning the wire.



- 10) Center the 1.5" heat shrink over both butt splice connections and shrink the tube using a heat shrink gun, hair dryer or lighter. Use caution to prevent burning the wire.

