

Termination of Power Supply Leads for use with Somfy LT30 Motors.

12VD100W Wire Polarity

See power Supply Label

Optional LT30 Lead Polarity

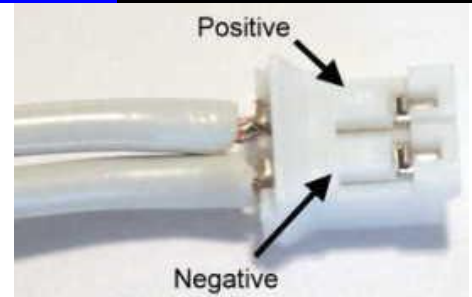
You need to strip some insulation to see internal wire color.

Tinned Copper Wire – Negative (-)

Copper Wire – Positive (+)

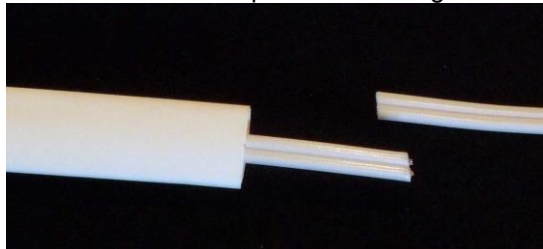


Optional LT30 Connector Polarity



Optional Butt Splice Connection - Connecting the 12VD100W to a LT30 Lead

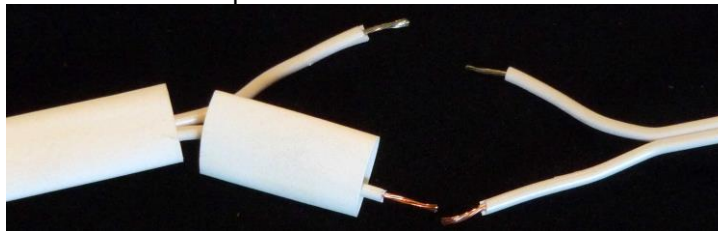
- 1) Determine which wires are positive and negative on both the power supply and LT30 lead.
- 2) Cut the Heat Shrink tube Supplied with the optional Butt Splice Kit into 3 Pieces. 1.5", 0.75" and 0.75"
- 3) Put the 1.5" Piece of Heat Shrink Tube over both positive and negative leads of one of the wires.



- 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 ¾" Heat Shrink onto one of the positive leads.

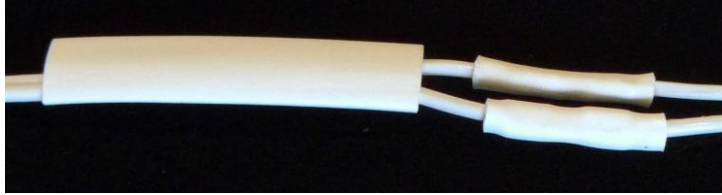


- 6) Slide the positive wires into opposing ends of the butt splice until each is visible in the center of the splice and crimp.



- 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.



Optional LT30 Connector Kit - Self Termination of Power Supply Leads

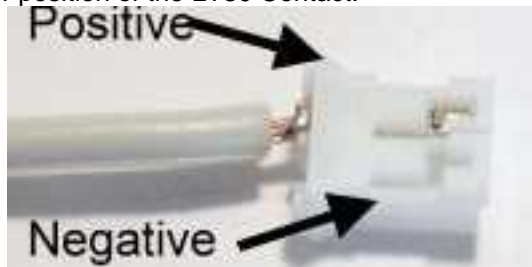
- 1) Cut the Contacts as shown



- 2) Strip and insert wire into depth equal to the fold over tab. We always do the positive first and recommend doing one at a time.
3) Crimp over the 2 tabs.



- 4) Solder the connection
5) Insert the wire into the proper position of the LT30 Contact.



- 6) Repeat process for the negative lead.