



Azure Dynamics Inc.
9 Forbes Rd
Woburn MA 01801 USA
781-932-9009 phone
781-932-9219 fax
www.azuredynamics.com

INSTRUCTIONS FOR SHORTENING MOTOR POWER WIRES

- 1) Open the heatshrink on the motor wires as far back as you need.
- 2) Cut the zipties and pull the braided shield back to give yourself room to work. Tie the shield or otherwise restrain it to keep it out of the way while you're working.
- 3) The shortest wire goes to DMOC terminal A. The middle length wire goes to DMOC terminal B. The longest wire goes to DMOC terminal C.
- 4) At the free end of the motor wires are the lugged ends. ***Make sure these wires are individually labeled, per the above, closer to the motor than where you plan to cut before you do any cutting.*** Also take a look at the heatshrink so you can duplicate it. Then cut the wires slightly longer than you will want them (just in case!)
- 5) When you do the cutting to your final length, the middle length wire should be 1.5 inches longer than the shortest wire after both are lugged. The longest wire should be 1.5 inches longer than the middle wire after both are lugged.
- 6) Attach a lug terminal at the new free end of each shortened wire. Put a double layer of heatshrink over the lug end splices.
- 7) Trim the braided shield as required. Pull the braided shield back over the wires and ziptie. Then heatshrink the portion of the cable that doesn't have it.

parts information for AC55, AC24, AC24LS

- wire is 2AWG black
- lugs are Panduit part number P2-14R, 1/4" 2AWG round