



**EV WEST**

# How To Guide

SUBJECT:  <p style="text-align: center;"><b>Best practices for wiring the Duosida 32A J1772 Charge Port</b></p>	NUMBER: HTG-23-005 Rev2
	DATE: March, 2023
	PRODUCT: DUOSIDA

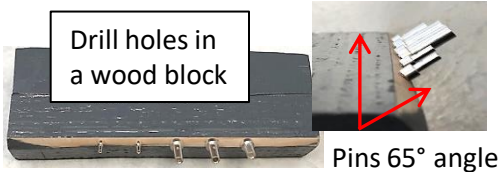
## PURPOSE

To have a standard wiring procedure for the J1772 charge port.

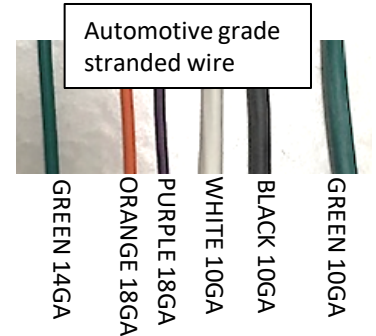
## AFFECTED PRODUCTS

DUOSIDA DSS-EV-32S-V3  
Other J1772 charge ports similar.

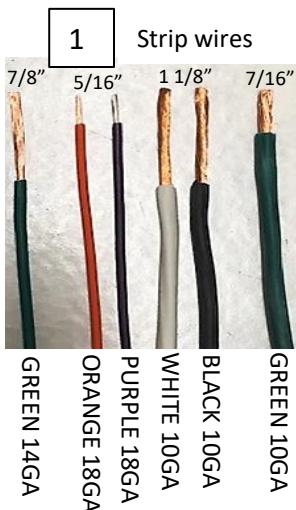
## RECOMMENDED TOOLS



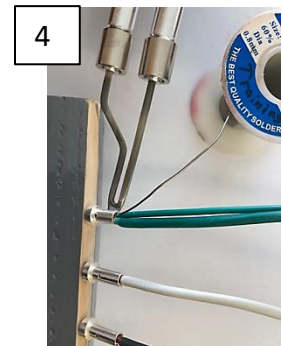
## PARTS LIST



## PROCEDURE



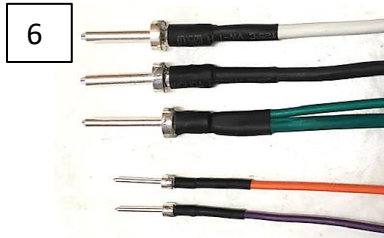
Insert wires into pins. They should push in by hand but be very tight. Weep hole faces up.



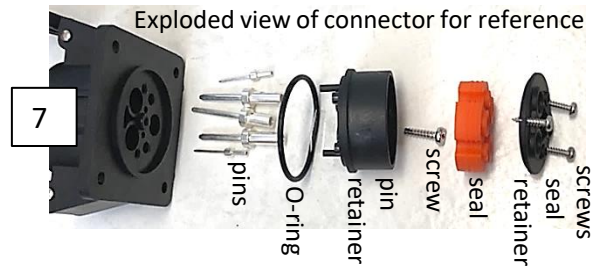
Feed about 1 foot of solder until it starts to come out the weep hole, then remove heat!



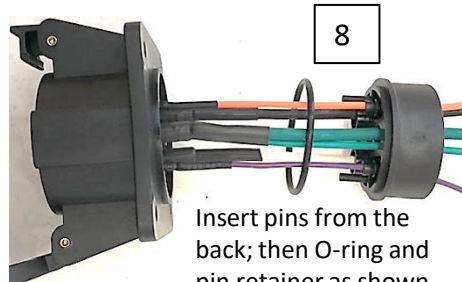
5 Check that solder does not interfere with pin fit



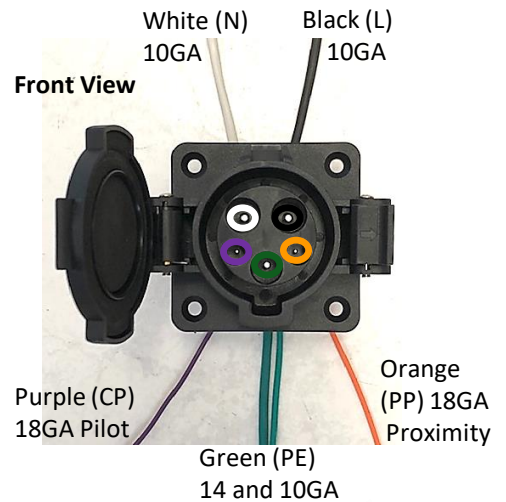
6 Add shrink tube as shown



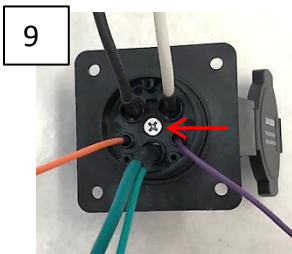
7 Exploded view of connector for reference



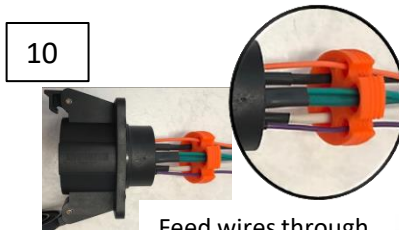
8 Insert pins from the back; then O-ring and pin retainer as shown.



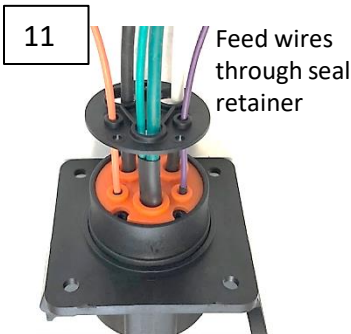
White (N) 10GA  
Black (L) 10GA  
Front View  
Purple (CP) 18GA Pilot  
Green (PE) 14 and 10GA  
Orange (PP) 18GA Proximity



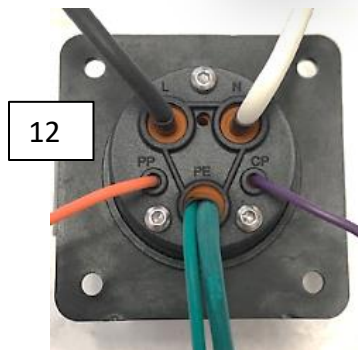
9 Install retainer screw



10 Feed wires through seal and install



11 Feed wires through seal retainer



12 Back view, install seal retainer screws



13 Optional - Install 3/8" ID vinyl tube. Arrange wires evenly to form a circle



14 Measure enough shrink tube to exit rear cover. Heat the shrink tube, not the vinyl tube (if used). Add additional layers of heat shrink as needed to ensure a tight seal at the gland nut.



15 Install rear cover and tighten gland nut

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