



**EV WEST**

# How To Guide

<b>SUBJECT:</b>  <b>Best practices for cable connections using non-shielded 2/0 cable</b>	<b>NUMBER:</b> HTG-23-003
	<b>DATE:</b> February, 2023
	<b>PRODUCT:</b> EV West 2/0 Cable Connectors

## PURPOSE

To have a standard procedure for 2/0 cable connections

## AFFECTED PRODUCTS

EV West 2/0 non-shielded cable  
Other sizes similar process, use correct die.

Pneumatic Crimper  
with 95mm Die



OR

## RECOMMENDED TOOLS



HD Cable Cutters



Heat Gun 1500 Watt

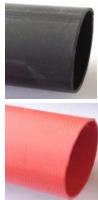


Hydraulic Crimper with 95mm Die  
*Available for purchase from EV West at a very reasonable cost to help ensure crimps are done correctly.*



Standard Razer Blade

## PARTS LIST



1/0-2/0 Heat Shrink  
with Sealing Glue  
Available in Red or  
Black



2/0 AWG Cable  
- Orange



2/0 HD Ring Terminal - Stud  
sizes available 1/2" 5/16" 3/8"

## PROCEDURE



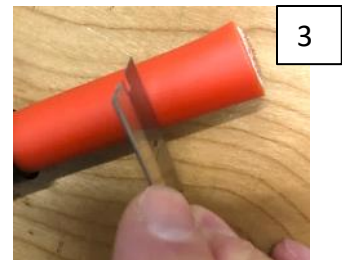
1

Cut to desired length



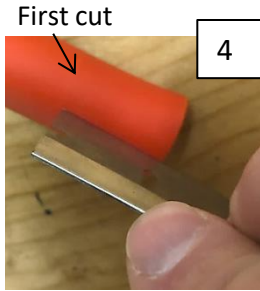
2

Mark the length to  
be inserted in  
terminal about 7/8"

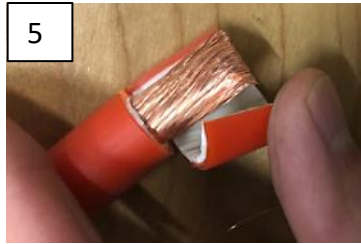


3

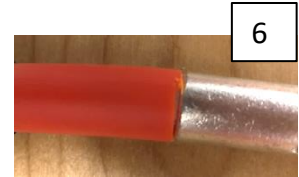
Score through orange top  
layer and barely into second  
white layer by rolling the blade  
across the insulation



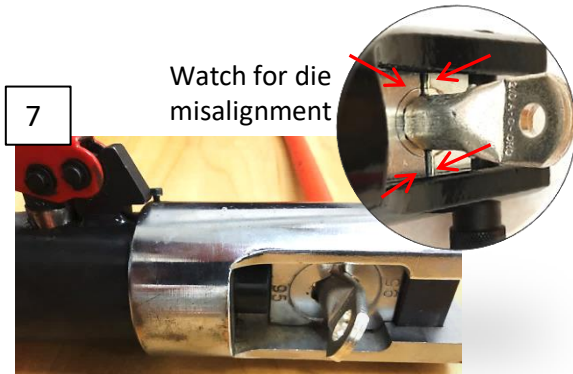
Score perpendicular to first cut now through both layers



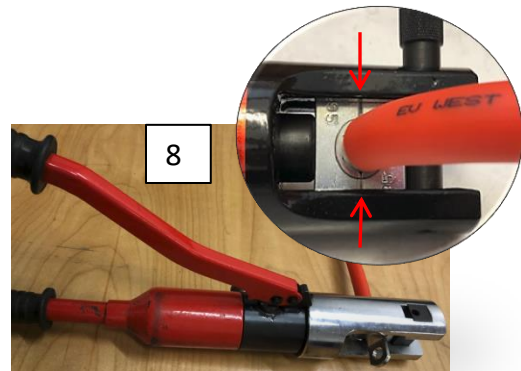
Peel off both layers of insulation



Insert trimmed cable tightly into the ring terminal



Position the 2/0 terminal between the 95mm die. Ensure the cable is still tightly inserted.



Pump the handles until you see the die halves meet evenly then STOP. Repeat process 2 more times to crimp entire inserted section.

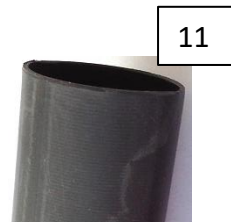
**! Caution Do Not Over Pump the handles or you will blow out the seals in the tool!**



If metal "ears" appear from the crimping process clean them off with a file



Completed crimp example top to bottom with no gaps



Trim heat shrink to completely cover crimp and cover a minimum of 3/4" of cable. Keep in mind the length is also going to shrink.



Position the shrink tube clear of the stud section. Apply heat constantly moving the gun around the tube until the glue starts to weep out.



Finish view of a quality installation

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