



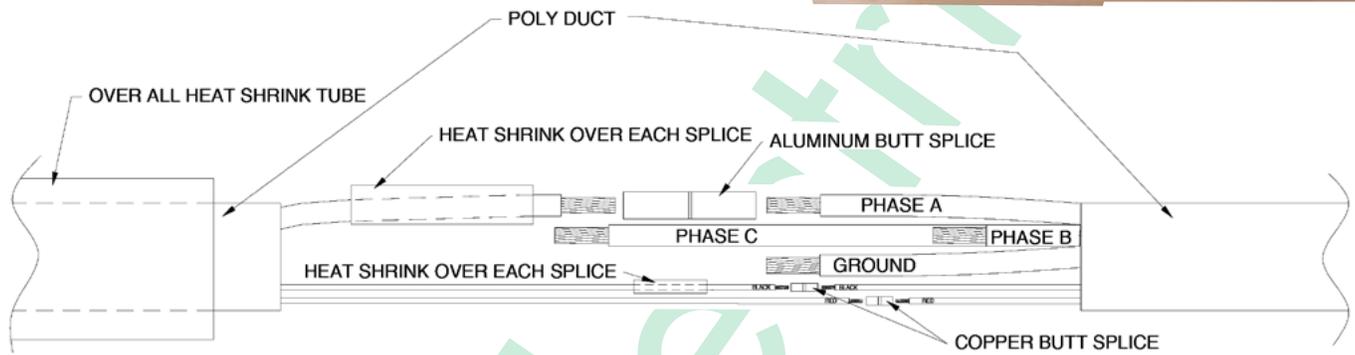
Paige[®] agwire

928.282.2783, Fax: 928.282.2781, jbusshell@paigeelectric.com, www.paigeelectric.com

installation instructions P7396D - AG

Cable-in-Conduit Splice Kit

Specially designed kit to make Paige AgWire CIC to CIC splice, all gauge sizes and configurations available.



CONTENTS:

(4) Aluminum butt connectors, (1) 4 piece #12 copper splice kit,
(4) 0.8"x48" heat shrink tubing, (1) 3"x48" heat shrink tubing,
(1) 1"x30' rubber tape.

CABLE IN DUCT SPlicing INSTRUCTION:

1. Find the largest diameter heat shrink tube and slide over the poly duct on one of the two ends to be spliced.
2. Make sure all the conductors are at the end of both duct ends to be spliced. cut back and remove the duct on both ends to be spliced to expose the conductors for splicing. The overall heat shrink length is 4 FT. So be sure to remove only about 3 FT. of duct total so the overall heat shrink covers the exposed splice conductors at the end of the job.
3. Stagger cut the aluminum and copper conductors so that all the splices are not in the same location for a smooth splice area and so the overall heat shrink will slide over this area.
4. Locate the aluminum butt splices & strip the aluminum conductors so each end inserts in 1/2 of the butt splice. Locate the copper butt splices & strip the copper conductors so each end inserts in 1/2 of the butt splice.
5. Locate the heat shrink sizes for the aluminum conductors and the copper conductors. Cut each size to length to cover the butt splice connector plus a minimum of 1" beyond each side of the butt splice. Slide the proper diameter heat shrink over one conductor of each pair to be spliced.
6. Drill a 1/8" hole in each butt splice in the center for soldering later in the process unless the butt splice already has a hole in the center. Place butt splices on one side conductors and crimp in place. Then join the other side conductors to butt splice and crimp in place. Using heat source heat each butt splice up and wick solder into hole until full. Allow to cool before moving. A sponge with water will assist cooling.
7. Use the self-vulcanizing rubber tape provided to wrap each butt splice overlapping 1/2 of tape width. Slide heat shrink over butt splice location(s) center over center of butt splice. Using heat source shrink in place beginning at the center and working out. Shrink until glue oozes out of each end of heat shrink. Allow to cool before proceeding.
8. Slide overall heat shrink tube over splice area centering over splice area. Using heat source starting in middle shrink in place. Shrink until glue is oozing out of each end of heat shrink. Allow to cool before moving.

