

Installation Instructions ECS-G3

Jacketed Cable Grounding and Sealing Kit for Jacketed Copper Tape Shielded Cable

200 ECS-G3 - Cable O.D. Range 0.80" - 1.50" (20-38mm)

600 ECS-G3 - Cable O.D. Range 1.28" - 2.30" (32-58mm)

CONTENTS: Cold Shrink Tube, 3-Mastic, Flat Copper Braid equivalent to #10 AWG conductor, Conductive Copper Tape, Spring Coil, Installation Instructions.

DANGER

All apparatus must be de-energized during installation or removal of part(s) except for test point caps and indicators that can be installed and operated energized.

After installation loadbreak products can be operated energized per operating instructions. All deadbreak connectors must be de-energized before operating.

All apparatus must be installed and operated in accordance with individual user, local, and national work rules. These instructions do not attempt to provide for every possible contingency.

Do not touch or move energized products.

Excess distortion of the assembled product may result in its failure.

Inspect parts for damage, rating and compatibility with mating parts.

This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment. These instructions are not intended as a substitute for adequate training or experience in such safety practices.

Failure to follow these instructions will result in damage to the product and serious or fatal injury.

If this product is supplied with a protective shipping cover(s), remove this shipping cover(s) and replace with the appropriate HV insulated cap(s) or connector(s) before submerging or energizing the circuit.

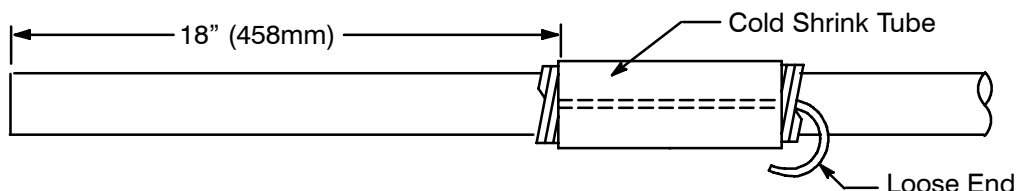
FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ELASTIMOLD OFFICE.

IMPORTANT

1. Check contents of package to ensure they are complete and undamaged.
2. Check all components to ensure proper fit with cable and/or mating products.
3. Read entire installation instructions before starting.
4. Have all required tools at hand and maintain cleanliness throughout the procedure.

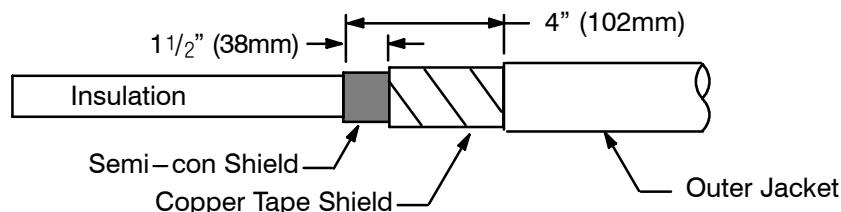
STEP 1

Wipe the outer jacket clean a distance of 30" (750mm). Slide cold shrink tube (loose end first) onto the cable a distance of 18" (458mm).



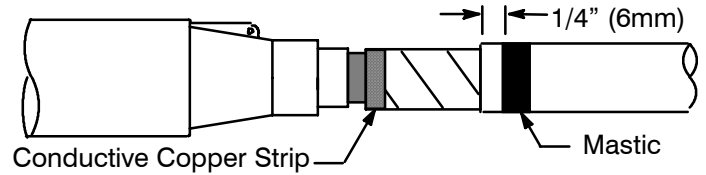
STEP 2

Remove the outer jacket for a distance of 4" (102mm) beyond the semi-con shield skive dimension recommended by the manufacturer of the product you are installing. Remove copper tape shield for a distance of 1 1/2" (38mm) from the end of the semi-con shield.



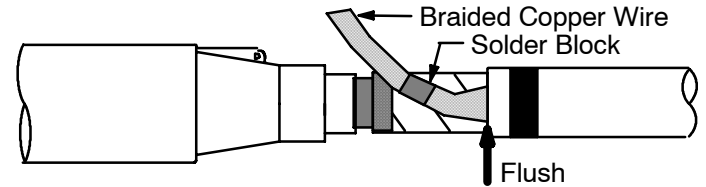
STEP 3

Wrap conductive copper tape around the edge to keep the copper tape shield in place. Install the desired product per the manufacturer's instructions included with the product. Apply one wrap of mastic, as shown.



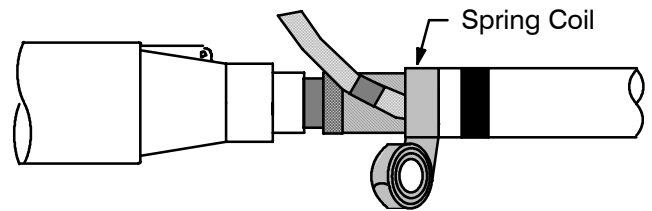
STEP 4A

Slightly flare the end of the braid with the solder block and place it on the copper shield, flush against the cable jacket.



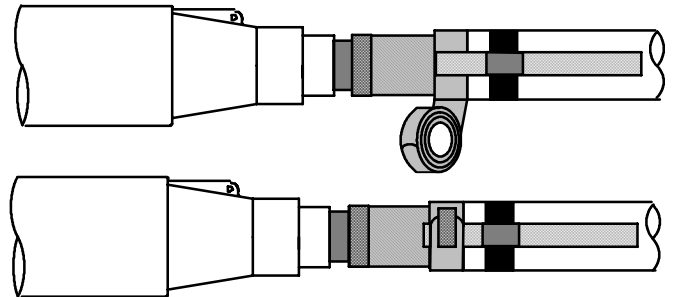
STEP 4B

Wrap the spring coil around braid and cable two complete turns.



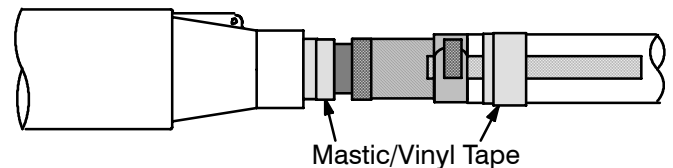
STEP 4C

Bend braid back over the spring and wrap the remainder of the spring coil around the braid and cable. Tighten the spring coil with fingers and secure the end of the coil with a short piece of copper tape. Be sure the solder block of braid is centered on top of the mastic tape.



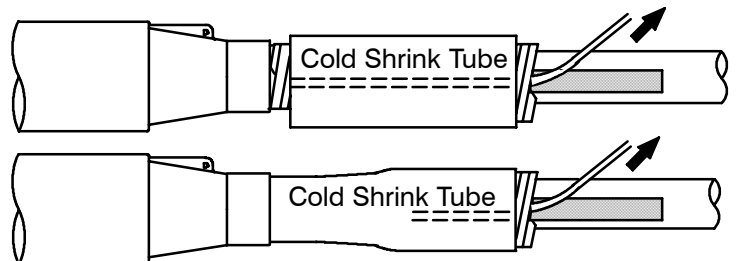
STEP 5

1. Apply mastic over the braid, as shown.
2. Over wrap mastic with two half-lapped layers of vinyl tape.
3. Wrap the third piece of mastic around the cable entrance of the connector being used. Over wrap mastic with two half-lapped layers of vinyl tape.



STEP 6

Pull loose end from back to unwind cord in clockwise direction until plastic core is flush with end of cold shrink tube. Slide cold shrink tube into position and continue to unwind cord in clockwise direction. Cold shrink tube will collapse at product end first. **IMPORTANT:** When no cable adapters are used, tube must overlap elbow or joint end at least 1" (25mm) for a proper seal. When cable adapters are used, tube must overlap adapter and butt against accompanying housing for a proper seal.



STEP 7

Using suitable connector (Not Supplied), ground assembly in accordance with standard utility practices.

