

# SADP Grounding Device

## INSTALLATION & OPERATING INSTRUCTIONS

### DESCRIPTION

The SADP grounding device is designed for use CHARDON distribution products for connecting and/or terminating drain wire shielded cable. The installation instructions packed with CHARDON distribution product are a required supplement to these instructions. read each step thoroughly before installing the SADP:



### SADP KIT CONTENT:

- SADP Housing
- Ground Lead with Crimp Contact
- Lubricant
- Installation Instructions

### TOOL NEEDED:

- Tape Measure
- Cable Cleaner
- Wire Brush
- Cable Cutters
- Knife
- Emery Cloth
- Cable Stripping Tool
- Crimping Tool



**CAUTION:** All associated apparatus must be de-energized during installation and/or maintenance.



**DANGER:** Do not touch or move energized product by hand. Failure to follow this instruction may result in serious or fatal injury, as well as damage to the equipment.

### SAFETY INFORMATION

The instructions in this manual are not intended as a substitute for proper training or adequate experience in the safe operation of the equipment described. Only competent technicians, who are familiar with this equipment should install, operate and service it.

## INSTALL PROCEDURE

### STEP 1

a) Follow the instruction for the final product being installed to determine the cutback point of the outer jacket. At this cutback point on the outer jacket make a reference mark for SADP, but don't remove the outer jacket this moment.

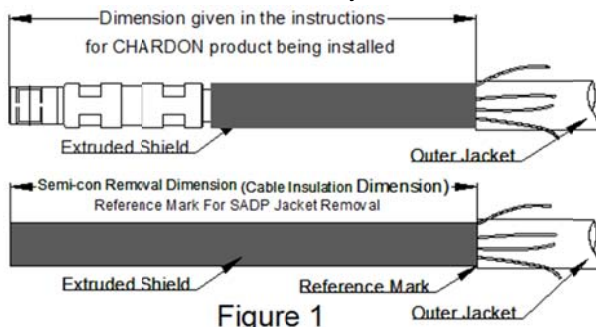


Figure 1

b) From the reference mark on the outer jacket measure back 3" for SADP size B-D and 3 1/2" for SADP size E-H and remove the outer jacket accordingly. Be careful as not to damage the drain wires. With the outer jacket remove to the correct dimension and then twist the drain wires together.

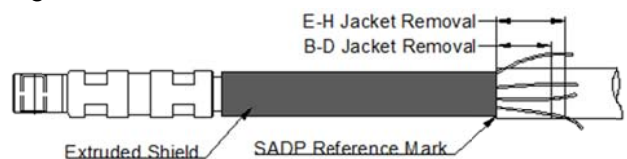


Figure 2

**CAUTION:** Install the CHARDON product following the installations supplied with that product until finish crimp connector before next

step.

### STEP 2

Measure 1" on the outer jacket and apply two wraps of PVC Tape as a marker for the SADP. Apply lubricating grease sparingly to the cable insulation and inside of the device as shown.

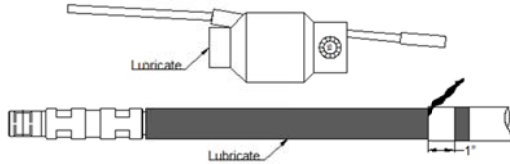


Figure 3

### STEP 3

Slide the device onto the cable with a slight back and forth twisting motion until the crimp barrel and SADP housing are in the position as shown.

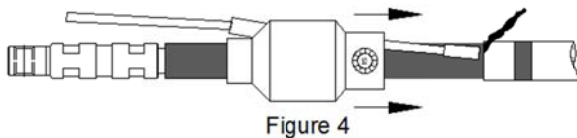


Figure 4

### STEP 4

Wrap the twisted drain wires around the cable one turn as shown and cut the twisted drain wires to fit into the connector and crimp. Tape the crimp connector to the cable in the position shown.



Figure 5

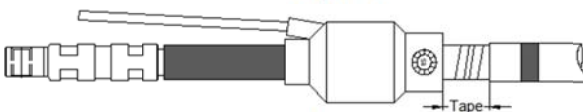


Figure 6

### STEP 5

Slide the SADP housing over the cable and

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crimped connector with a slight back and forth twisting motion until it is flush with the tape marker. It may be necessary to pull or twist the ground lead while sliding the housing into position.



Figure 7

### STEP 6

Install the CHARDON product following the installations supplied with that product. And the end of the CHARDON product should be within 1/2" REF of the end of the SADP

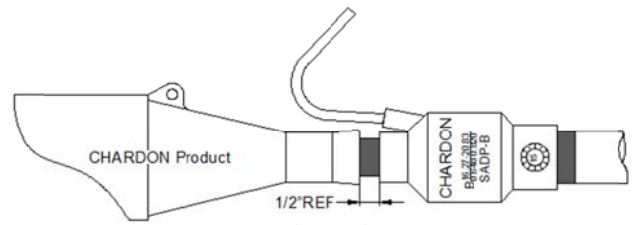


Figure 8

### STEP 7

Connect a wire (NO.14 copper or equivalent) to the grounding eye of the CHARDON product being used. Connect this wire and the SADP ground lead to system ground. SADP ground leads is NO.6 or NO.2 copper. Connection to ground should be equivalent.

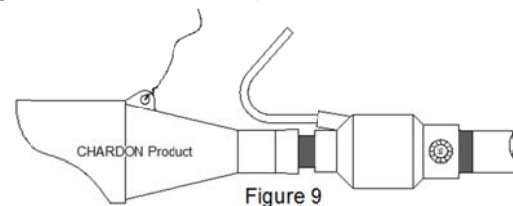


Figure 9

**CAUTION:** To ensure a water seal at the ground lead must be straight and parallel to the cable as shown.

FOR FURTHER INFORMATION WRITE TO



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