

# Connector Preparation Instructions

For SFX and 540 A-Series Connectors



## Tools Required:

- A Cell Reach® SFX ACT-1 and 540 AUCT-1 Connectorization Tool.
- Wrenches of proper size for tightening connectors.
- A hacksaw or cable cutters for cutting cable.
- Green or Red 3M Scotchbrite™ scouring pad for cleaning outer conductors.
- Center Conductor Cleaning Tool, (CCCT-S).



Photo 1

**Step 1:** Core the cable with the connectorization Tool. (A high torque, low speed power drill is recommended to core Cell Reach SFX and 540 cables.) Continue coring the cable until it bottoms out at its positive stop and no more material is exiting from the tool. (See photo 1) \*For manual operation, use T-Handle provided with coring tool.

**IMPORTANT:** Confirm proper center conductor length by comparing to connector back nut barrel as shown above. (See Photo 1A)

**Note:** Remember to keep coring tool clean.



Photo 1A



Photo 2

**Step 2:** Notice that during the coring process, the outer jacket was removed. This is a normal process with these tools.

When the jacket is removed, the exposed center and outer conductors will be coated with adhesive and dielectric material. Clean the outer conductor with a green or red 3M Scotchbrite pad. (See Photo 2) Completely remove the adhesive.

**IMPORTANT:** Do not clean the center conductor until the outer conductor has been cleaned.



Photo 3

**Step 3:** Carefully remove the dielectric material from the center conductor using the Center Conductor Cleaning Tool, CCCT-S. (See Photo 3)

**Note:** Photo 3B depicts a properly prepared cable end.



Photo 3B

# Connector Preparation Instructions

For SFX and 540 A-Series Connectors



Photo 4

**Step 4:** Slide the back nut onto the cable until it is completely seated. (You'll hear it "pop" into place.) The center conductor should protrude about 1/8 inch (3mm) past the back nut. Mate the back nut with connector front nut.

(See Photo 4)



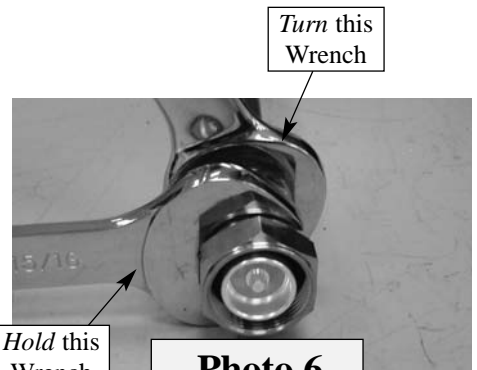
Photo 5

**Step 5:** While holding the front nut stationary, turn the back nut to tighten the connector as tight as possible before using wrenches. This is to ensure that the connector does not slide forward during the remainder of the tightening process.

(See Photo 5)

**Step 6:** Continue to tighten the connector with proper size wrenches. Important: During the tightening process, make sure that the front nut doesn't turn. Tighten the connector until the O-ring completely disappears and you achieve metal-to-metal contact between the back nut and the front nut.

(See Photo 6 & 6A)



Turn this Wrench

Hold this Wrench

Photo 6



Photo 6A