**ThinWire Ethernet COAXIAL CABLE CONNECTOR INSTALLATION CARD**

**IF YOU NEED HELP**

Call the Ethernet Customer Support Center

Toll-free 1-800-825-7104

**IMPORTANT**

The following four-part procedure must be performed by service personnel who have completed training in the use of ThinWire cable stripper and BNC connector tools.

This four-part procedure consists of:

A. Adjusting the stripper tool

B. Stripping the cable

C. Connecting the connector assembly

D. Checking the completed cable

**A. ADJUST STRIPPER**

The Thinline coxial stripper contains two cutting blades that you must adjust correctly to cut the cable jacket and bend of the Thinline cable. The following procedure describes the adjustment of the cable stripper blades.

**NOTE:** Use a scrap piece of ThinWire cable for the following adjustment procedure.

1. Check that the blue V-notch (Amp 600867-2) is installed in the stripper.
2. Using the stripper hex wrench (supplied), turn set screws A and B counterclockwise until you feel resistance. This retracts the blades.
3. Turn set screw A 2-1/2 turns clockwise.
4. Turn set screw B 1-1/2 turns clockwise.
5. Push the slide to position 2.
6. Open the stripper by rotating the locking handle downward.
7. With the locking handle locking the cable, place the cable in the stripper from the left side with the end of the cable flush with the right side of the stripper.
8. Close the stripper and rotate it five times around the cable.
9. Open the stripper and remove the cable.
10. Remove the set bracket and bend from the cable.
11. Check the practice cuts on the cable to make sure that:
   - The cut is only the jacket, leaving the braid.
   - The braid should not damage any BNC board.

**B. STRIP CABLE**

Prepare forThinWire BNC connector installation by stripping the cable as follows:

1. Use the diaphragm cutter to trim the end of the cable flush.
2. Mark the jacket of the cable 1/16 inch from the end of the cable. This is the center conductor length.
3. Place the female on the cable.
4. Push the slide to position 1.
5. Bring the cable's outer jacket and the outside of the stripper and place this mark on the cable edge to the right blade.
6. Close the stripper and rotate it five times around the cable.
7. Open the stripper and remove the cable.

**NOTE:** Repeated adjustment fails to produce proper cut, replace the blade set. See step 11.

12. Adjust the stripper blades as needed to produce the correct stripper cut. Turning the set screws clockwise constricts the blades, increasing the depth of cut. Turning the set screws counterclockwise relaxes the blades, decreasing the depth of cut.

13. Install new set of blades.

14. Discard the practice piece of ThinWire cable.

This completes the Adjust Stripper procedure.
3. Insert the center contact through the center of the connector, slipping the support flange of the connector under the head of the center contact head and over the detector head.

4. Slide the ferule over the head, ensuring contact with the connector shoulder.

5. Grasp the ferrule with the cable using the crimping tool.

D. CHECK CABLE

Check the cable for continuity and shorts after connectors are attached to BOTH ends of the Throttle cable.

1. Install DSM connector on one end and the Throttle cable with a connector or terminal connector.
2. Check for continuity on the other end of the cable using an ohmmeter.
   • Connect the ohmmeter leads to the connector and the cable body.
   • The ohmmeter reading MUST be 60 ohms or less, indicating continuity in both the sheath and center conductor.
3. Remove the 60 ohm terminator.
4. Check for open circuit (no continuity) between the connector and the sheath, using the ohmmeter.

This completes the Attach Connector procedure.

11. Connectivity testing is required at the connector level, including checking between the sheath and center conductor.

This completes the Check Cable procedure.

1. Replace the jacket, head, and detector from the cable, exposing the center conductor.
2. Push the slide to position 3.
3. Mark the point of the cable (1/4 inch from the end of the jacket (not the end of the connector center conductor). This is the exposed diameter length.
4. Using the cutter blades, remove the jacket, exposing the sheath. This sheath should not cut ANY braided strands.
5. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
6. Placing the jacket back onto the jacket, exposing the sheath. This sheath should not cut the diameter benefit of the bolt.
7. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
8. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
9. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
10. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.

This completes the Strip-Cable procedure.

11. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
12. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
13. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
14. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
15. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
16. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.
17. Using the cutter blades, remove the jacket, head, and detector. This blade should not cut the diameter benefit of the bolt.

This completes the Check Cable procedure.

11. Connecting the sheath leads to the center pin and the connector body.

This completes the Check Cable procedure.