

EMI/RFI SHIELDED with Cord Grip



Ingredients

Design Options:

Repairable
Shielded
Water & Fluid Resistant
Single Jacketed Wire or Cable

Connector
Jacketed Cable with Braided Shield
CG Endbell
Shielded Cord Grip
Heat Shrink Tube

Tools:

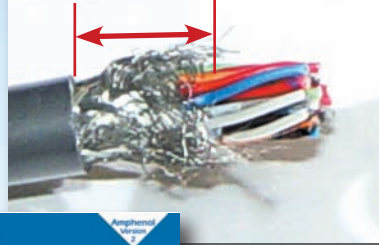
Contact Crimping Tool or Soldering Iron
Heat Gun, Wire Stripper

G

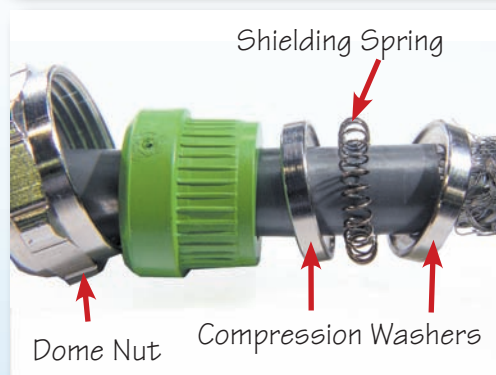
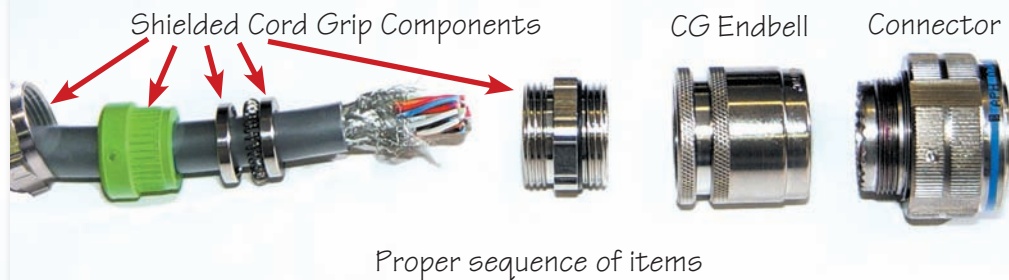
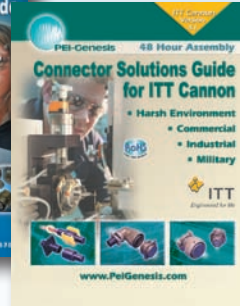
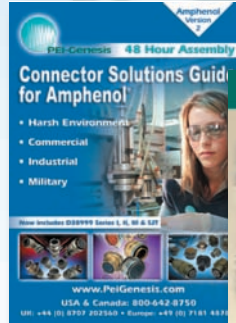
EMI/RFI SHIELDED with Cord Grip

1 Prep Cable

1/2 inch (12 mm)

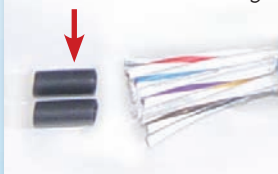


A) Strip the cable sequentially. There should be approximately 1/2 inch (12 mm) of exposed braid. Prepare the wires per the instructions in the PEI Connector Solutions Guides or visit www.peigenesis.com.



B) Slide the pieces of the Shielded Cord Grip over the cable. Use isopropyl alcohol to lubricate if needed. The shielding spring and compression washers should be located as shown.

Heat Shrink Tubing



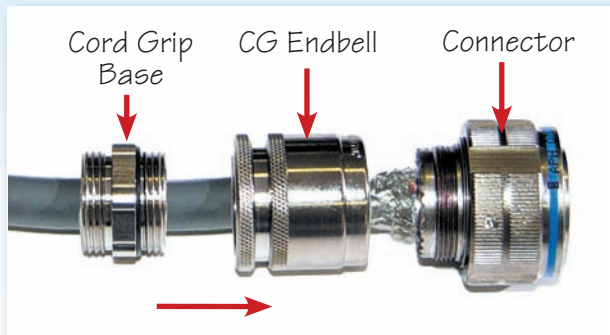
OPTION: Some connectors are supplied with a separate wire sealing grommet that can be challenging to use. An easier alternative is to use heat shrink tubing instead. Simply slide a piece of tubing over each wire to insulate and support the termination between the wire and the contact.

EMI/RFI SHIELDED with Cord Grip

2 Connection

A) Crimp or solder the wires into place, then verify the continuity.

OPTION: If heat shrink is used to isolate the wires, slide it over the junction between the contact and the wire and use heat to recover it.



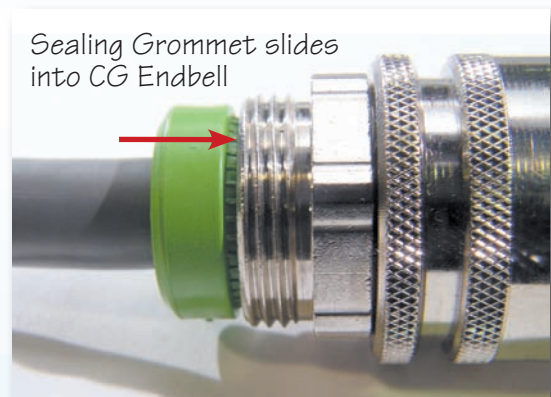
B) Tighten the CG Endbell on the back of the connector and verify that the coupling nut can spin freely.

*Rule of Thumb:
Hand tight plus a
1/4 to 1/2 turn.*

3 Add Cord Grip



A) Slide the shielding spring and compression washers up to the CG Endbell on the back of the connector.



B) Slide the sealing grommet into position. Isopropyl alcohol is recommended as a lubricant.



C) Slide the Dome Nut over the sealing grommet and tighten.

➡ [See page 231](#) for specific torque value.

4 Finished Product



Shielding Effectiveness

