

Installation Instructions

CL Series • High-Power Connectors

Contact Installation

Step 1 - Find the proper strip length for your cable jacket and individual wires, see the Contact Specifications on p. M-14.

Step 2 - Make a clean cut at the end of the wire to be terminated and strip the insulation to the correct length. After stripping the wire insulator, clean the exposed conductor with a swab of alcohol to remove any impurities.

Step 3 - Insert stripped conductors in contact wire wells. If contact bushing is used, insert conductor in bushing and bushing in contact wire well. If two or more ground wires are inserted into a single contact, make sure all the wires are fully seated in the wire well. Conductors should be visible through inspection hole on the side of the wire well.

Step 4 - Select the correct crimping tool, locator, and die from the table on p. M-13 for the contacts being installed. Follow the manufacturer's set-up and calibration instructions. With conductor or contact bushing in place, insert contact into tool. Close crimping die fully to create a uniform crimp.

Step 4 - Inspect crimp and ensure that the conductor is visible through the contact inspection hole. If no conductor is visible, the wire may require re-crimping with a new contact.

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Connector Assembly

Step 1 - If inserts are not already positioned in the connector shell, align the large tab on the insert with the large slot in the shell and push insert in until it bottoms out in the shell.

Step 2 - Apply a thin coating of grease to the edges of the contact holes in spacer or grommet assembly until locked into contact retainer clip.

Step 3 - Align the contacts with the proper holes in the insert. The small key on the insert must be aligned with the appropriate keyway on the spacer or grommet assembly. Slide the contacts into insert holes until the spacer or grommet assembly butts against the insert. A thin film of grease applied to the edges of the insert contact holes will provide maximum sealing efficiency.

Step 4 - Assemble the connector accessories. The back adapter O-ring should have a thin film of grease applied. Avoid getting grease on the inside surface of the gland and on the cable jacket.

Step 5 - Tighten retaining nut or gland nut on shell or adapter. A metal to metal seating condition is ideal, but it may not be attainable depending on maximum cable diameter.

Contact Removal

Step 1 - Loosen all rear accessories and slide them back along the cable.

Step 2 - Remove spacer or grommet assembly with contacts from connector insert.

Step 3 - Using the appropriate size contact removal tool from the table on p. M-13, push tool over the front of the contact to be removed until the tool bottoms in the spacer or grommet assembly hole. This will open the contact retaining clip and allow the contact to be removed from the spacer or grommet assembly from the rear. When using jacketed cable, all contacts should be released from their contact retention clips before removal from the spacer or grommet assembly.

Solder Termination

While crimping is the preferred contact termination, if crimping tools are unavailable, contacts may be solder terminated using rosin-alcohol solder flux, 60/40 grade solder, and a 500 watt soldering iron or probe type resistance soldering equipment. Be sure to pre-tin conductors before soldering. Solder cannot be present on shoulder of retention area of contact. ■

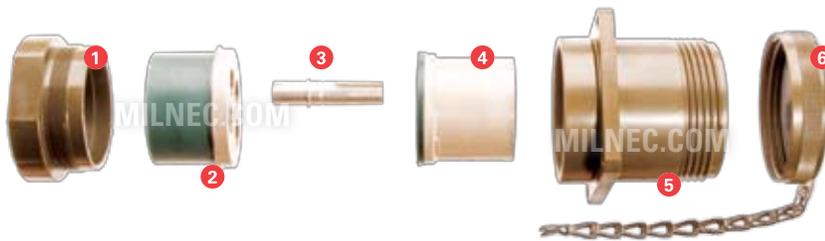


Rev. 1240.1



CL06 Cable Mount Plug

- | | |
|-----------------|------------|
| 1 Retaining Nut | 6 Follower |
| 2 Cable Grip | 7 Contact |
| 3 Sealing Gland | 8 Insert |
| 4 Gland Washer | 9 Shell |
| 5 Backshell | 10 Cover |



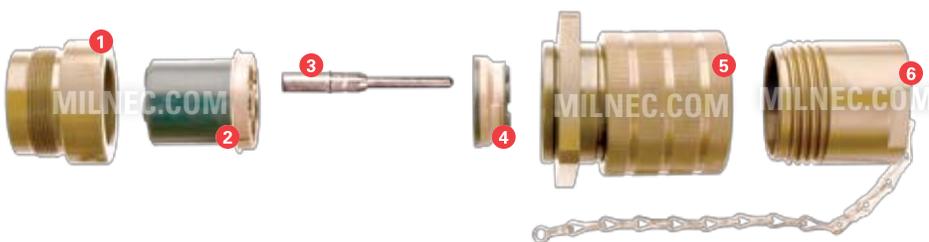
CL00 Wall Mount Receptacle

- | | |
|-----------------|----------|
| 1 Retaining Nut | 4 Insert |
| 2 Follower | 5 Shell |
| 3 Contact | 6 Cover |



CL01 Cable Mount Receptacle

- | | |
|-----------------|------------|
| 1 Retaining Nut | 6 Follower |
| 2 Cable Grip | 7 Contact |
| 3 Sealing Gland | 8 Insert |
| 4 Gland Washer | 9 Shell |
| 5 Backshell | 10 Cover |



CL09 Wall Mount Plug

- | | |
|-----------------|----------|
| 1 Retaining Nut | 4 Insert |
| 2 Follower | 5 Shell |
| 3 Contact | 6 Cover |