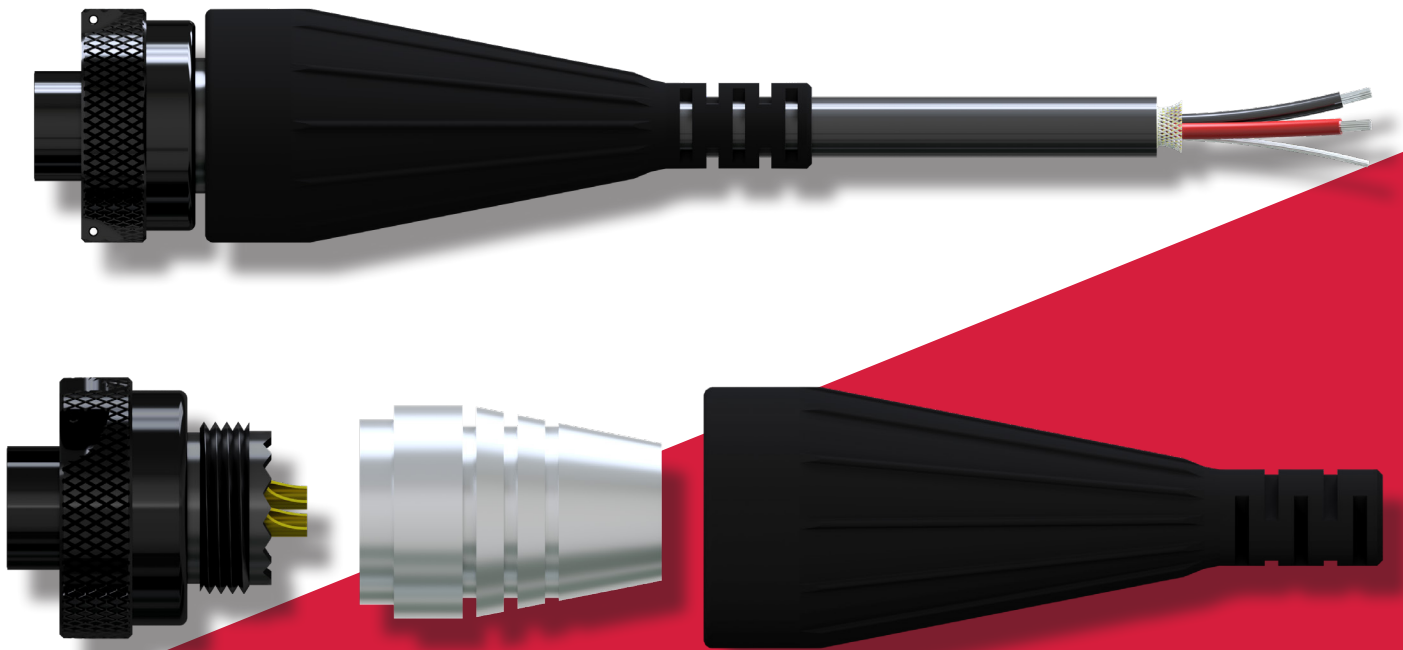




VIBRATION ANALYSIS HARDWARE



2 Socket MIL-Style Connector Kits  
with Strain Relief  
Product Manual

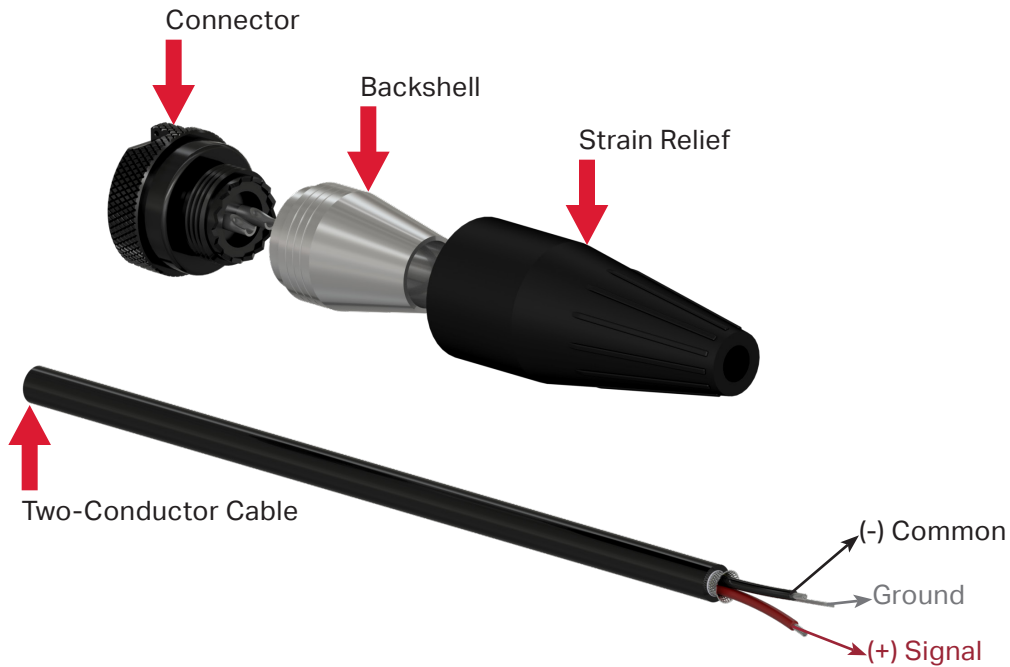
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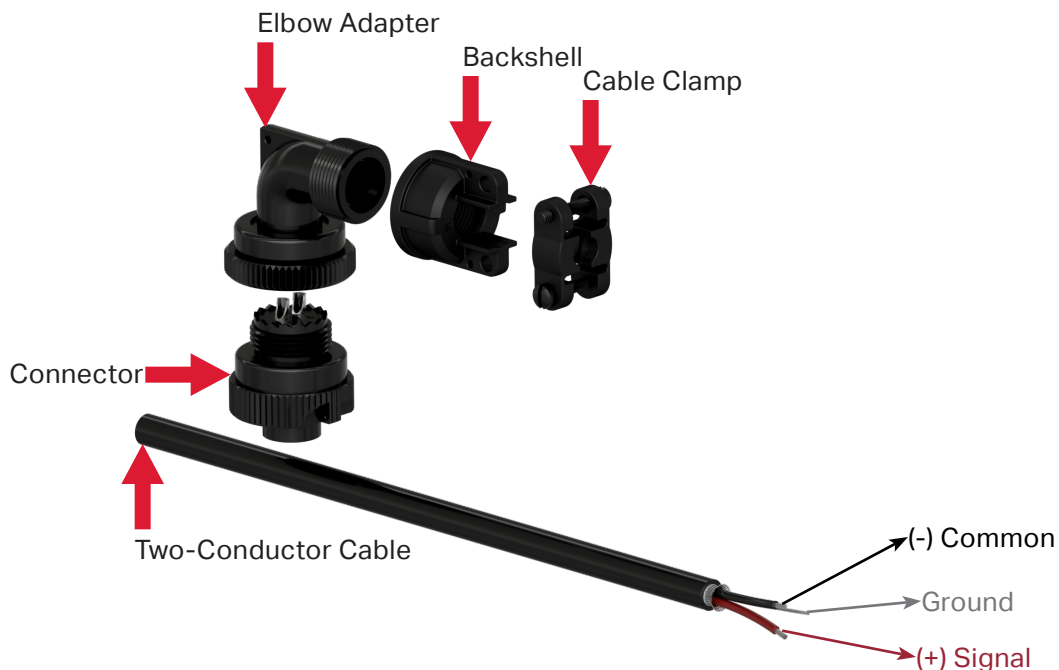


# INTRODUCTION

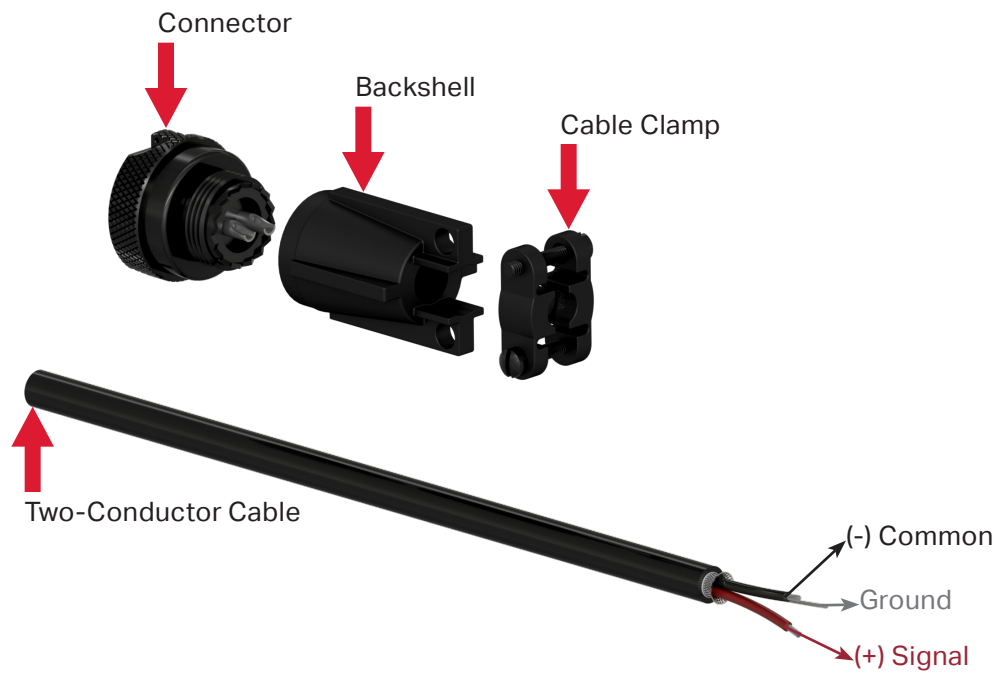
This document contains information on the operation, installation and maintenance of the D style series of connector kits. This manual is an overview of the kits and references the specific component manuals. User manuals are provided with the kits for all configurable internal components.



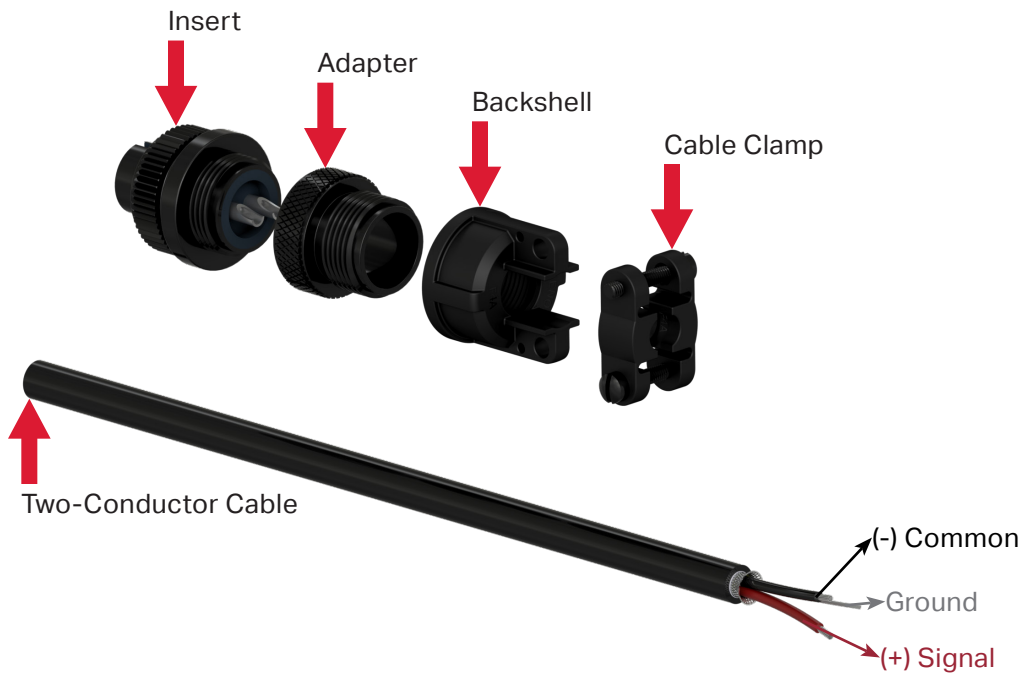
**Figure 1. D2C Connector Kit Materials**



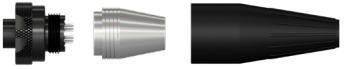



**Figure 2. D2D Connector Kit Materials**



**Figure 1. D2H Connector Kit Materials**



**Figure 2. D2J Connector Kit Materials**

| Part # | Connector Kit Parts  | Material                       | Max Temp.          | Connector Kit Parts # | Compatible Cables   |
|--------|--|--------------------------------|--------------------|-----------------------|---|
| D2C    | <br>2 Pin MIL             | Aluminium                      | 250 °F<br>(121 °C) | CK-D2C                | CB103<br>CB124<br>CB190<br>CB193<br>CB802<br>CB810<br>CB811                   |
| D2D    | <br>Right-Angle 2 Pin MIL | Aluminium                      | 250 °F<br>(121 °C) | CK-D2D                | CB103<br>CB124<br>CB190<br>CB193<br>CB802<br>CB810<br>CB811                   |
| D2H    | <br>2 Pin MIL             | Zinc Alloy<br>(RoHS Compliant) | 250 °F<br>(121 °C) | CK-D2H                | CB103<br>CB124<br>CB190<br>CB193<br>CB206<br>CB802<br>CB806<br>CB810<br>CB811 |
| D2J    | <br>2 Pin MIL           | Aluminium Alloy                | 250 °F<br>(121 °C) | CK-D2J-250            | CB103<br>CB124<br>CB190<br>CB193<br>CB206<br>CB802<br>CB806<br>CB810<br>CB811 |

**Table 1. Product Selection Guide**



Recommended Tool: CB926-1A



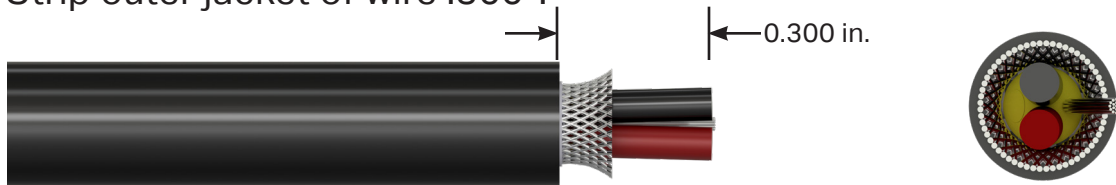
Recommended Epoxy: MH109-3D



## ASSEMBLY FOR CK-D2C

1. Unscrew the backshell from the connector.

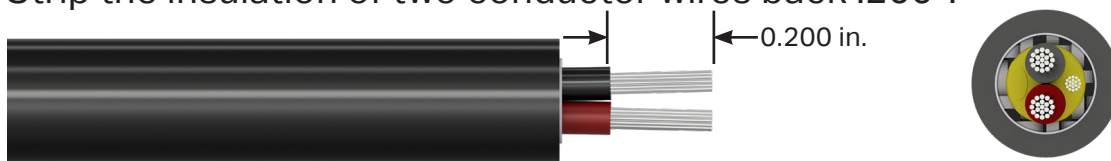
2. Strip outer jacket of wire .300".



3. Cut off shield and drain wire (for twisted shielded pair wires only).



4. Strip the insulation of two conductor wires back .200".



5. Slide strain relief and backshell onto the cable.



6. Solder Accelerometer (+) wire to solder cup for Pin A.  
Solder Accelerometer (-) wire to solder cup for Pin B.



7. Thread backshell onto connector.



8. Fill the backshell with epoxy up to the rim.

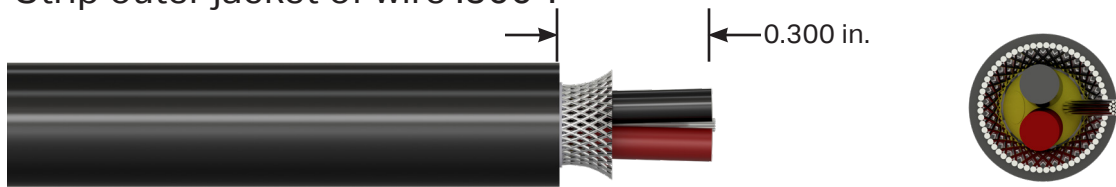


9. Allow to dry in the vertical position and refill the strain relief as the epoxy settles after 1½ hours, so that it is flush with the strain relief.
10. After 3 hours push the Silicone Boot shell over the assembled connector body until it snaps into place. The Silicone Strain Relief should be flush with the metal strain relief when properly installed.



## ASSEMBLY FOR CK-D2D

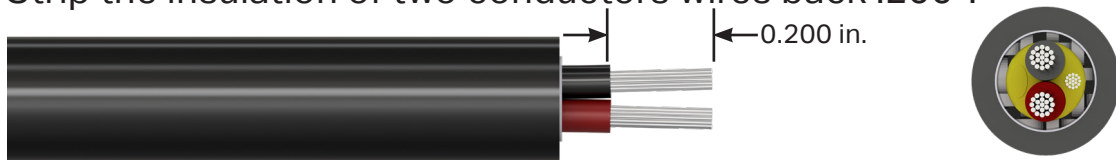
1. Strip outer jacket of wire .300".



2. Cut off shield and drain wire (for twisted shielded pair wires only).



3. Strip the insulation of two conductors wires back .200".



4. Slide elbow adapter and backshell onto the cable.



5. Solder Accelerometer (+) wire to solder cup for Socket A.  
Solder Accelerometer (-) wire to solder cup for Socket B.





6. Thread elbow body onto connector.



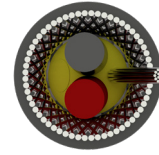
7. Thread back-shell onto elbow.



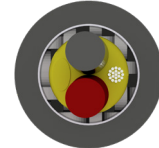
8. Tighten cable clamps

## ASSEMBLY FOR D2H

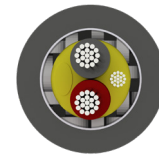
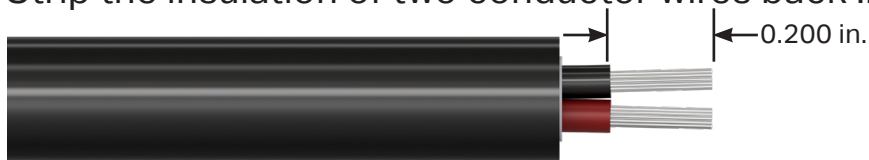
1. Strip outer jacket of wire .300".



2. Cut off shield and drain wire (for twisted shielded pair wires only).



3. Strip the insulation of two conductor wires back .200".



4. Solder Accelerometer (+) wire to solder cup for Pin A.  
Solder Accelerometer (-) wire to solder cup for Pin B.



5. Thread adapter onto connector.
6. Thread backshell onto adapter.

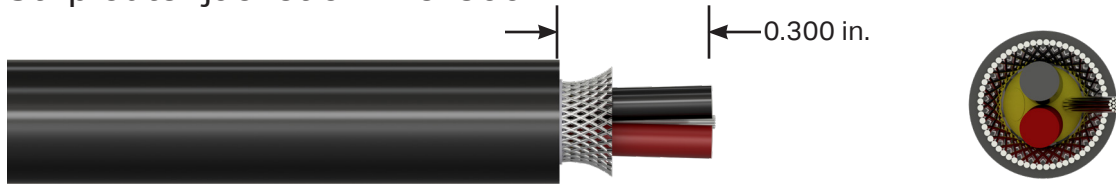


7. Clamp cable with cable clamps.



## ASSEMBLY FOR D2J

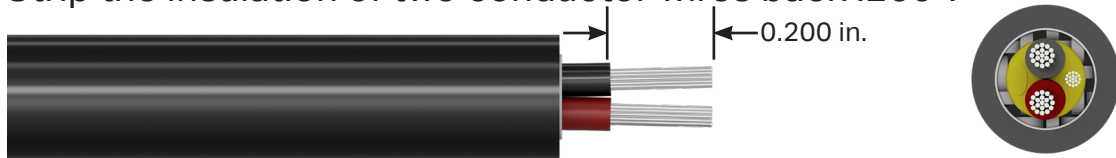
1. Strip outer jacket of wire .300".



2. Cut off shield and drain wire (for twisted shielded pair wires only).



3. Strip the insulation of two conductor wires back .200".



4. Solder Accelerometer (+) wire to solder cup for Pin A.  
Solder Accelerometer (-) wire to solder cup for Pin B.



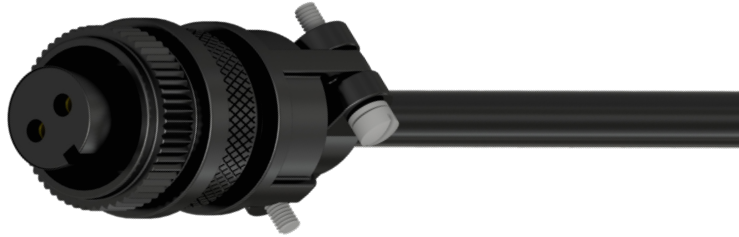
5. Thread adapter onto connector.



6. Thread backshell onto adapter.



7. Clamp cable with cable clamps.



## **MAINTENANCE**

Once the product has been installed, minimal maintenance will be required. Basic visual checks to ensure integrity should be made periodically.

### **General**

There are no customer-replaceable parts. The product has been designed for trouble-free service under normal operating conditions.

## **WARRANTY & REFUND**

Please visit [www.ctconline.com](http://www.ctconline.com) to view a complete recapitulation of our warranty and refund policies.

## **CONTACT INFORMATION**

Connection Technology Center, Inc. (CTC)

7939 Rae Blvd.

Victor, NY 14564

1.585.924.5900

[sales@ctconline.com](mailto:sales@ctconline.com)

[www.ctconline.com](http://www.ctconline.com)

