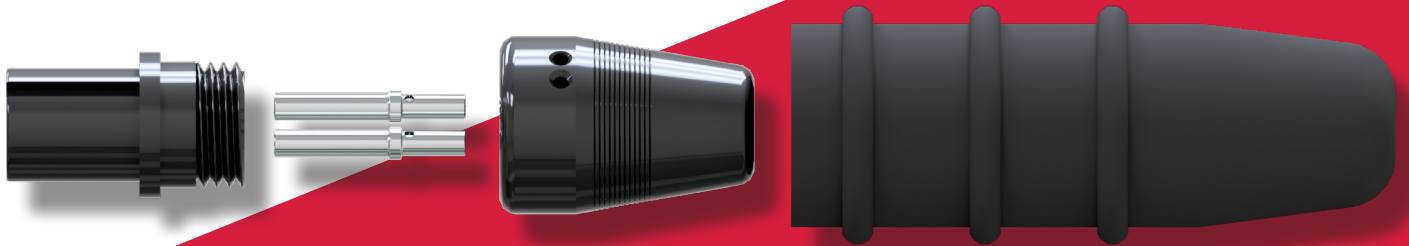
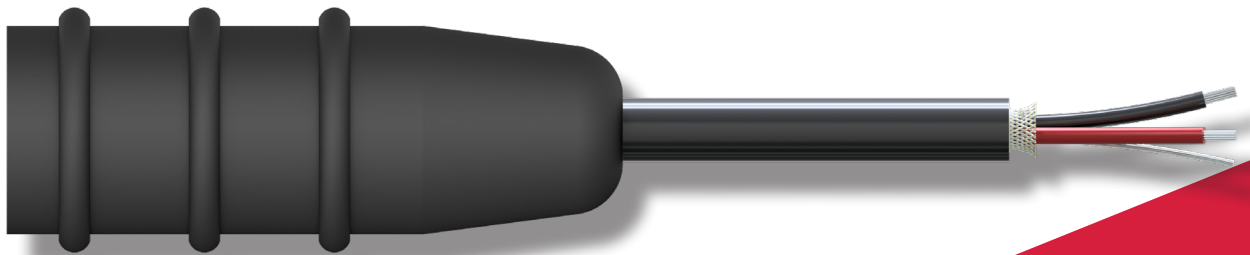




VIBRATION ANALYSIS HARDWARE



**"B" Series MIL-Style Boot Connector Kits
Product Manual**

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INTRODUCTION

This document contains information on the operation, installation and maintenance of the B-style series of connector kits.

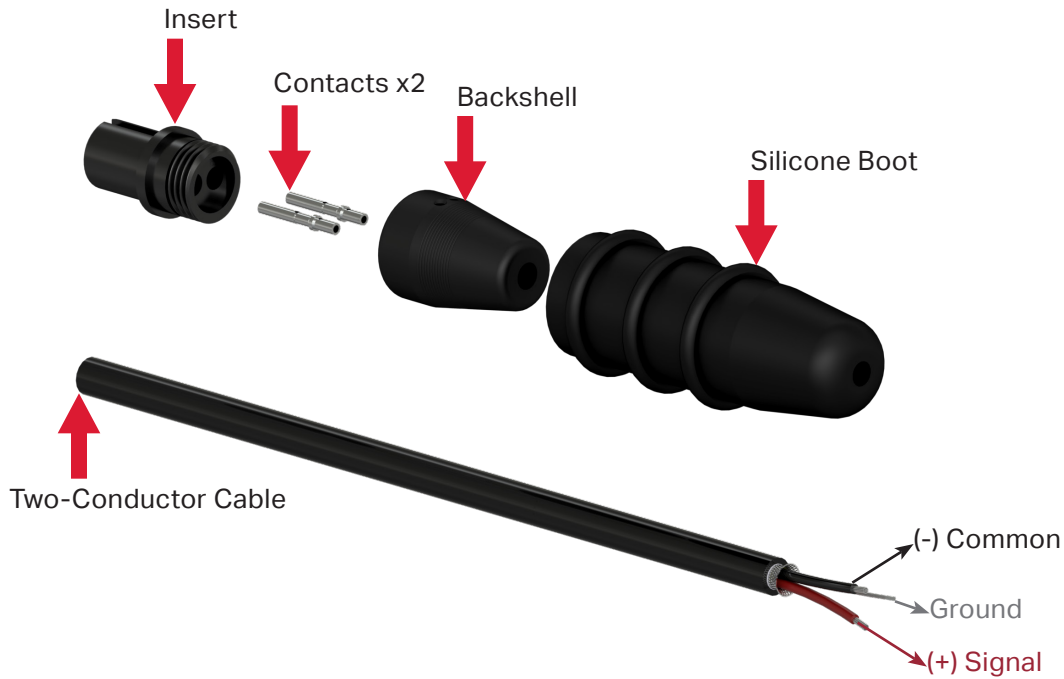


Figure 1. 2-Socket Connector Kit Materials

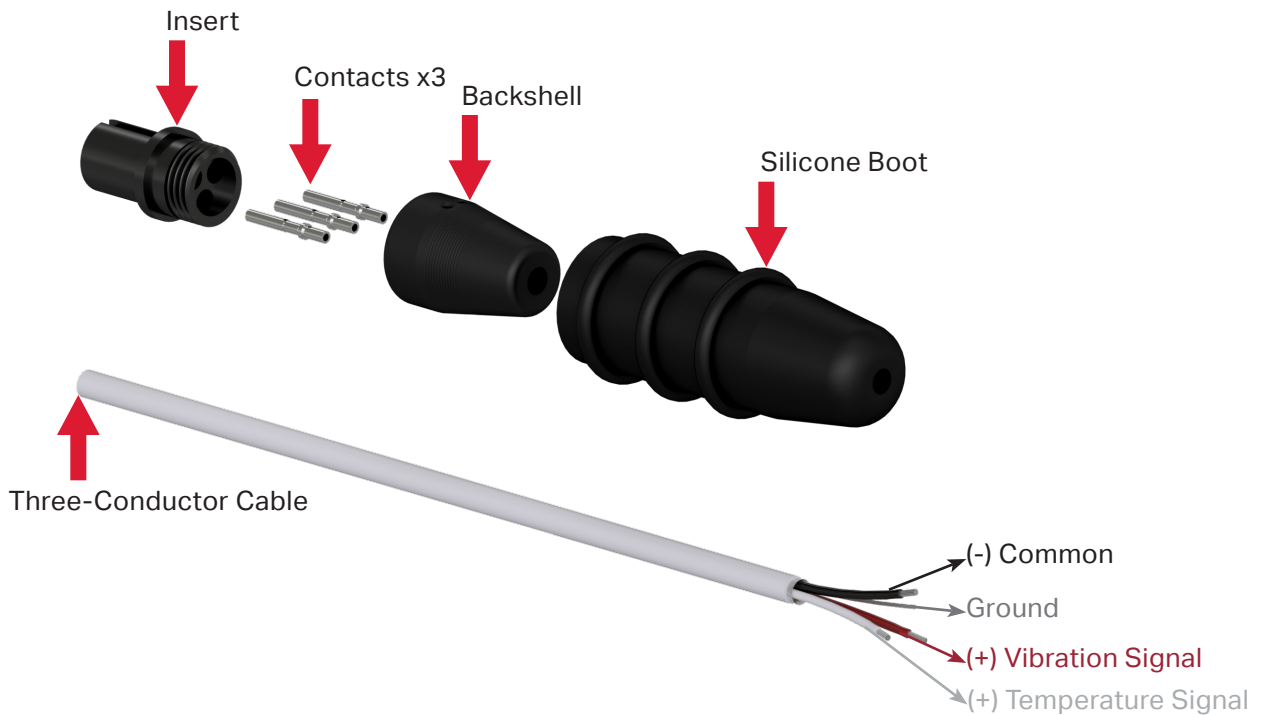


Figure 2. 3-Socket Connector Kit Materials





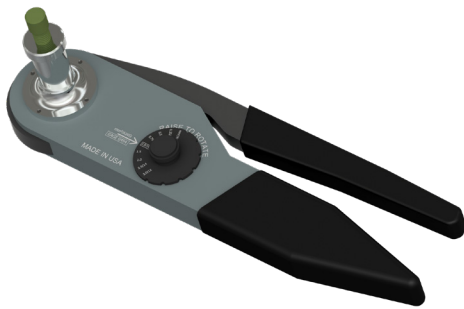
Part #	Connector Kit Parts	Material	Max Temp.	Connector Kit Parts #	Compatible Cables
B2A	 CK-B2A	Polycarbonate, Silicone Boot	250 °F (121 °C)	CK-B2A-175	CB102 CB110
				CK-B2A-190	CB111
				CK-B2A-250	CB103 CB193 CB802 CB806 CB810 CB811
B2R	 CK-B2R	Polyphenylene Sulfide, Silicone Boot	350 °F (177 °C)	CK-B2R-175	CB102 CB110
				CK-B2R-190	CB111
				CK-B2R-250	CB802 CB806 CB811
B3A	 CK-B3A	Polycarbonate, Silicone Boot	250 °F (121 °C)	CK-B3A-175	CB112
				CK-B3A-250	CB105 CB812
B3R	 CK-B3R	Polyphenylene Sulfide, Silicone Boot	350 °F (177 °C)	CK-B3R-175	CB112
				CK-B3R-250	CB812

Table 1. Product Selection Guide



Recommended Tool: CB926-1A

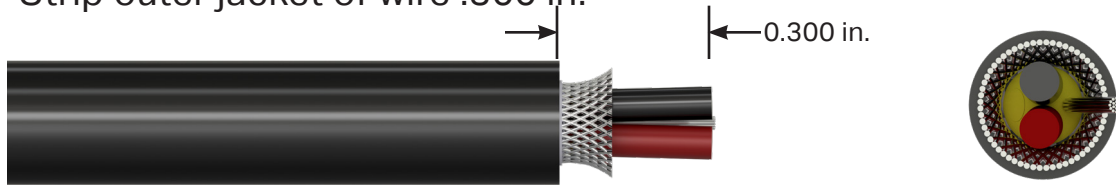


Recommended Epoxy: MH109-3D



ASSEMBLY FOR CK-B2X SERIES

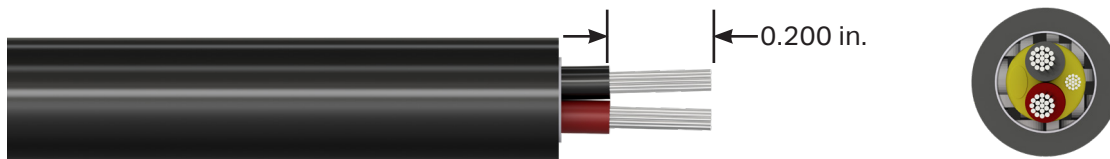
1. Strip outer jacket of wire .300 in.



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



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



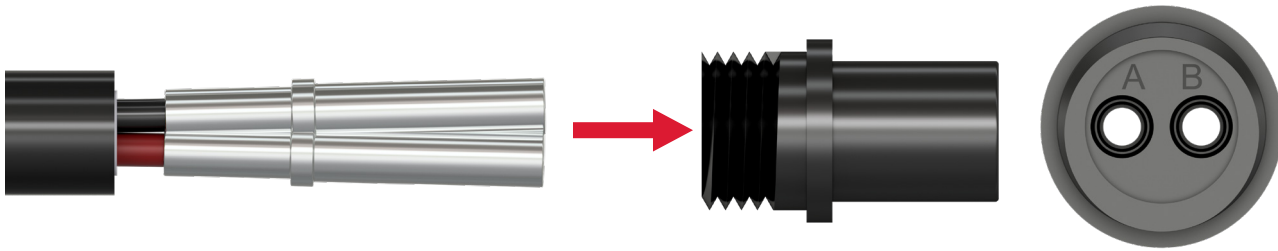
4. Crimp conductor wires into contact sockets. CTC's CB926-1A crimp tool makes crimping fast and easy and can lead to significant time savings when installing a large volume of connector kits. Adjusting the green depth knob to the desired length allows the depth of the contacts to be set manually to ensure a crimp at the correct location every time. Suggested depth for the "B" Series is 0.52 in.



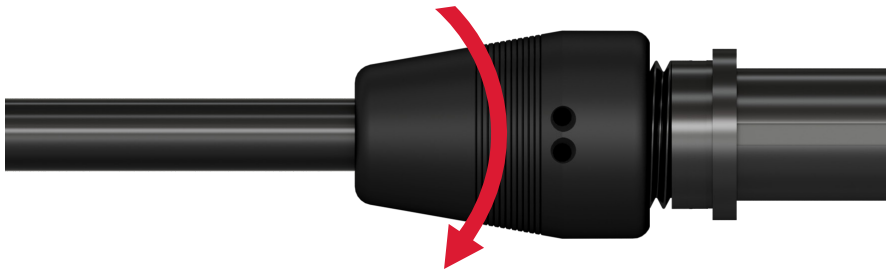
5. Slide silicone boot and backshell onto the cable.



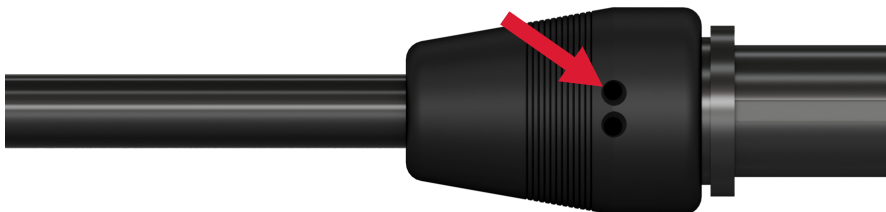
6. Using a fine-tipped punch, gently press each contact into the appropriate position on the insert.
 - a. Install accelerometer red (+) wire into the insert socket for Pin A.
 - b. Install accelerometer black (-) wire into insert socket for Pin B.



7. Thread the backshell onto the insert.



8. Place the assembled connector body horizontally with the two small epoxy injection holes level and facing upward.
9. Mix epoxy. Using a syringe, fill the backshell with epoxy through one of the small injection holes until epoxy begins to seep from the other.

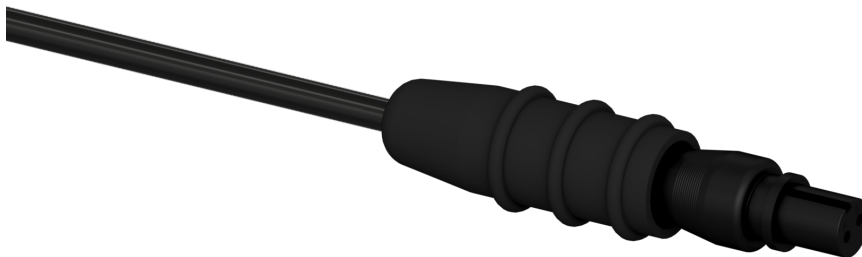


10. Keep the connector in a horizontal position, allowing the epoxy to set and vent any trapped air, refilling as needed.

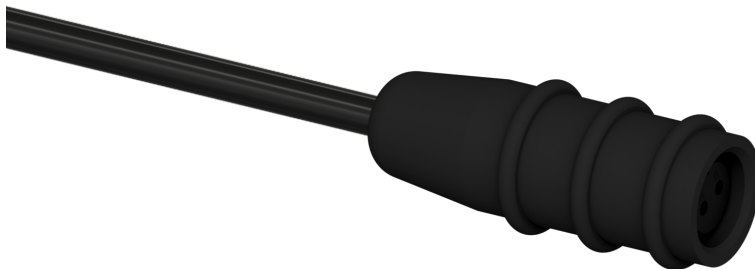
11. Allow the epoxy to cure for six hours at room temperature. Place a piece of masking tape over the two epoxy holes to prevent leakage and hang the connector vertically with the insert facing downward. This will ensure epoxy encapsulates the cable evenly, especially if the cable diameter is smaller than the backshell opening.



12. Push the silicone boot shell over the assembled connector body until it snaps into place.

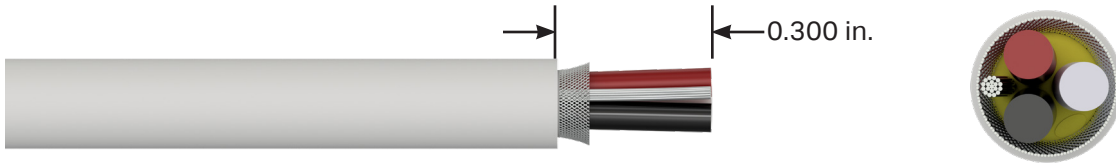


The connector body should be recessed approximately 0.125 in. from the tip of the silicone boot when properly installed.

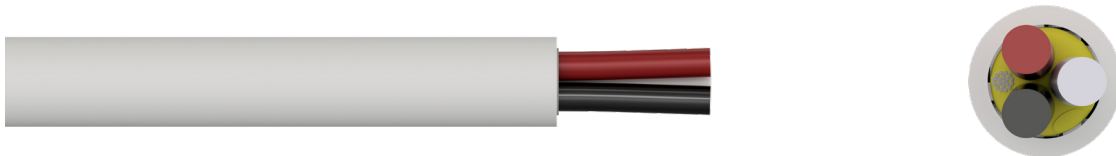


ASSEMBLY FOR CK-B3X SERIES

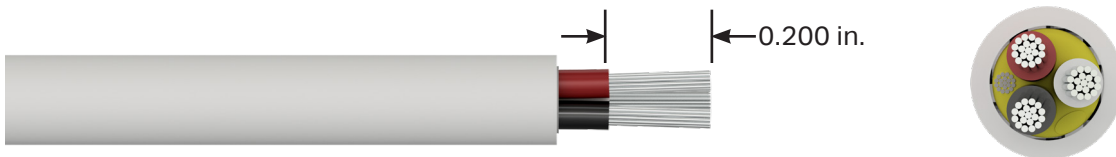
1. Strip outer jacket of wire .300 in.



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



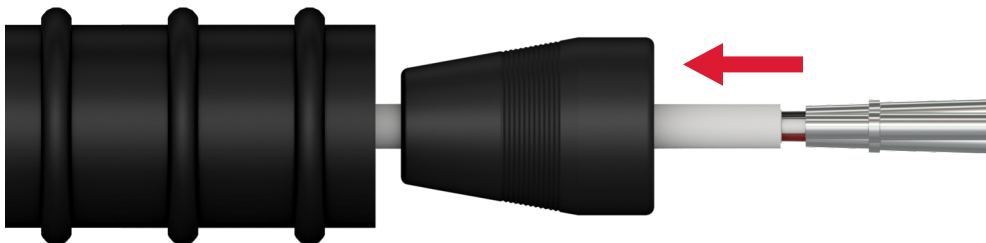
3. Strip the insulation of three conductor wires back .200 in.



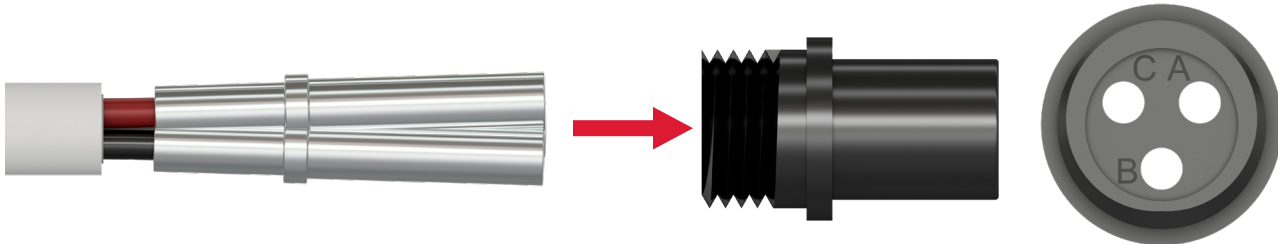
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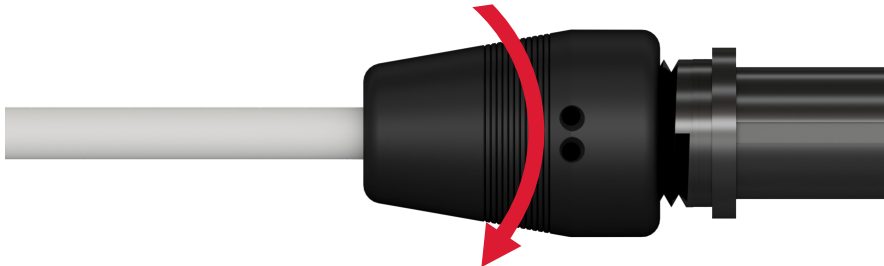
5. Slide silicone boot and backshell onto the cable.



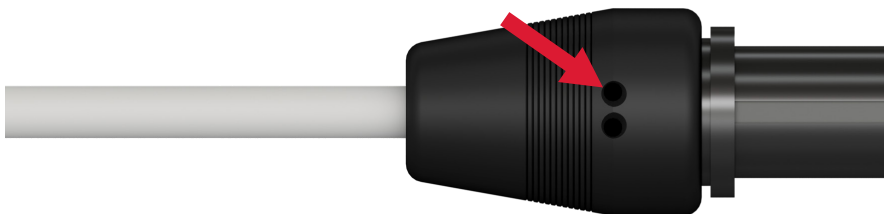
6. Attach O-ring to the front of the insert.
7. Using a fine-tipped punch, gently press each contact into the appropriate position on the insert.
 - a. Install accelerometer red (+) wire into the insert socket for Pin A.
 - b. Install accelerometer black (-) wire into insert socket for Pin B.
 - c. Install accelerometer white (+) wire into the insert socket for Pin C.



8. Thread the backshell onto the insert.



9. Place the assembled connector body horizontally with the two small epoxy injection holes level and facing upward.
10. Mix epoxy. Using a syringe, fill the backshell with epoxy through one of the small injection holes until epoxy begins to seep from the other.

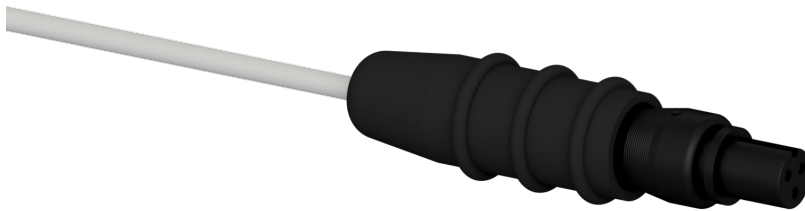


11. Keep the connector in a horizontal position, allowing the epoxy to set and vent any trapped air, refilling as needed.

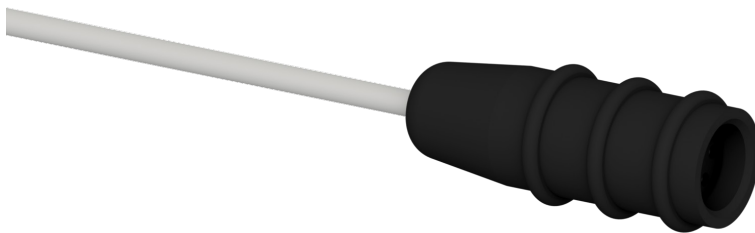
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13. Push the silicone boot shell over the assembled connector body until it snaps into place.



The connector body should be recessed approximately 0.125 in. from the tip of the silicone boot when properly installed.



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

Warranty

All CTC products are backed by our unconditional lifetime warranty. If any CTC product should ever fail, we will repair or replace it at no charge.

Refund

All stock products can be returned for a 25% restocking fee if returned in new condition within 90 days of shipment. Stock products qualify for free cancellation if your order is cancelled within 24 hours of purchase. Build to order products qualify for a 50% refund if returned in new condition within 90 days of shipment. Custom products are quoted and built specifically to the requirements of the customer, which may include completely custom product designs or private labeled versions of standard products for OEM customers. Custom products ordered are non-cancellable, non-returnable and non-refundable.

