

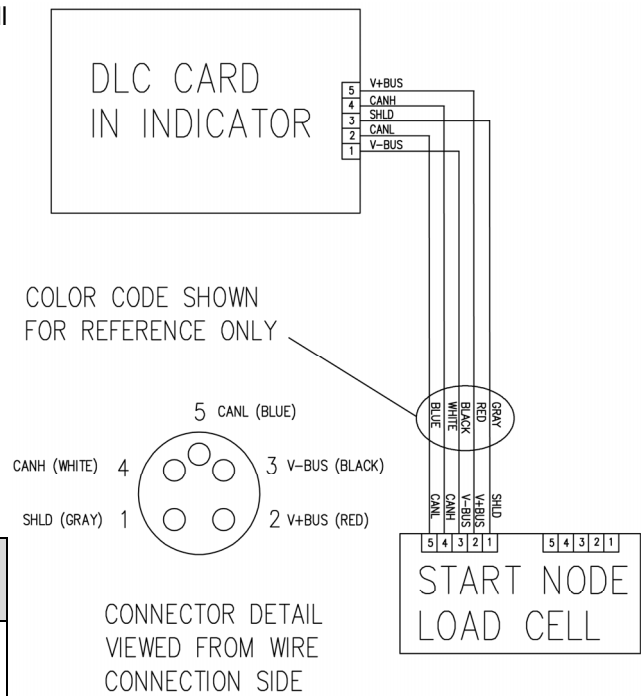


SmartCell® Digital Load Cell Homerun Cable Connector Installation Instructions

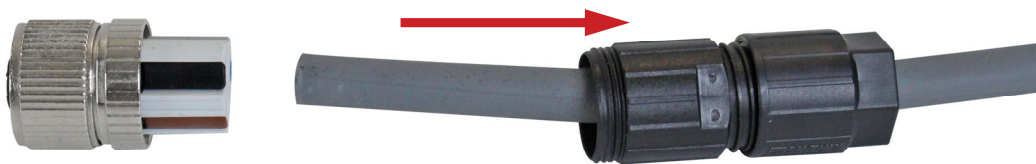
The Homerun Cable is installed between the first load cell in the loop (Start Node) and the 225D indicator or 825D indicator. It is made from five conductor, shielded PVC cable and is terminated at the load cell with the included 5-pin actuation lever connector. Refer to the table below for cable and connector information.

Note that the maximum Homerun Cable length is determined by the number of load cells in the scale. Consult the chart in the ARMOR® Digital Truck Scale Installation manual to determine the maximum length.
NOTE: Clean the load cell connectors and the homerun connector plug with electrical contact cleaner, and then apply dielectric grease to the homerun connector plug before installing it into the load cell connector. See connector detail and images below and images on next page.

ITEM	DESCRIPTION	CARDINAL PART NO.
CABLE	5 CONDUCTOR, SHIELDED PVC CONTAINS (2xAWG18) + (2xAWG22) + (1xAWG22)	6980-1092
CONNECTOR	5-PIN ACTUATION LEVER TYPE (INCLUDED)	6610-1308

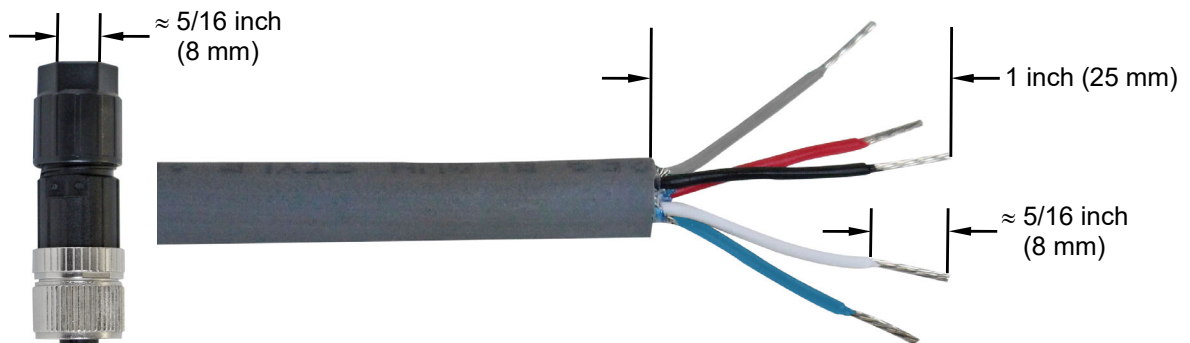


1. Dis-assemble the connector (unscrew the black plastic part of the connector from the metal part), and then slide the black plastic part onto the homerun cable.



2. With the homerun cable routed through the black plastic part of the connector, remove approximately 1 inch (25 mm) of the cable's outer jacket, exposing the internal wires.
3. Next, remove approximately 5/16 inch (8 mm) of insulation from each of the five wires.

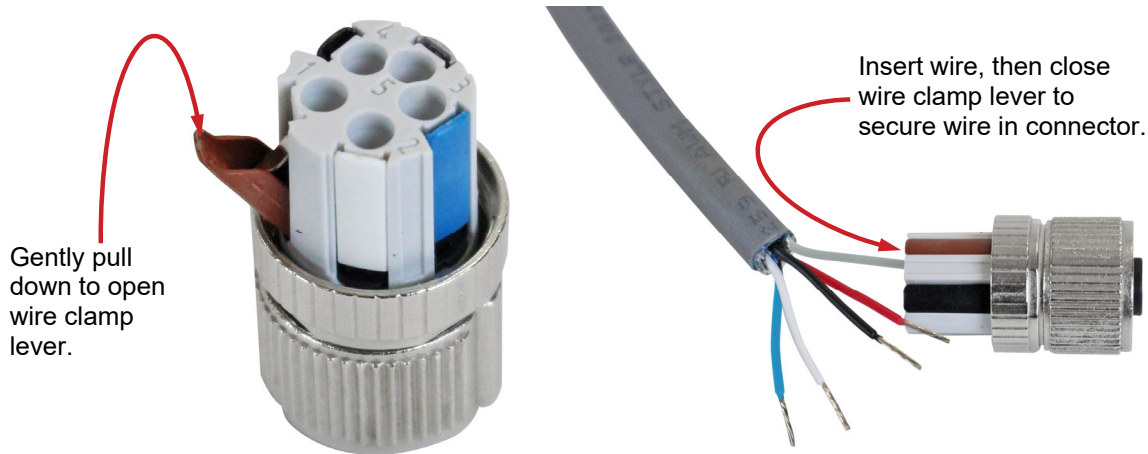
NOTE: The hex part of the black plastic cable clamp is approximately 5/16 inch (8 mm) and can be used as a guide for stripping the wires.



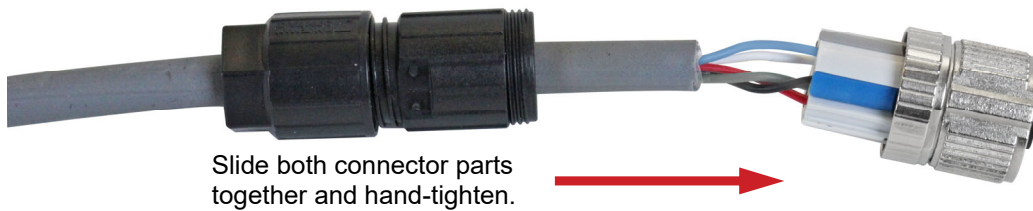
IMPORTANT! Refer to the table below when performing steps 4 through 7.

Pin Number	Connector Lever Color	Signal	Homerun Cable Wire Color	Wire Color if using a Load Cell Cable
1	BROWN	SHLD	GRAY	BROWN
2	WHITE	V+BUS	RED	WHITE
3	BLUE	V-BUS	BLACK	BLUE
4	BLACK	CAN H	WHITE	BLACK
5	GRAY	CAN L	BLUE or LIGHT BLUE	GRAY

- Looking at the end of the metal part of the connector where the wires are inserted, use your fingernail and gently pull a wire clamp lever down away from the body of the connector.
- Insert the wire into the appropriate connector opening, and then close the wire clamp lever.
- Verify that the wire is being held securely in the connector by lightly pulling on the wire.



- Repeat steps 4 through 6 until all five wires of the homerun cable are installed in the metal part of the connector.
- After all connections have been made, slide the black plastic and metal connector parts together, and then screw them together by hand-tightening.



- To complete the assembly, hold the black and metal parts of the connector housing, and then hand-tighten the cable clamp to the black plastic part of the connector housing.

