

Installation Instructions

Bulletin 1485P KwikLink™ Lite Connectors

Trunk-Line and Branch-Line Insulation Displacement Connectors

IMPORTANT: SAVE THESE INSTRUCTIONS FOR FUTURE USE.
 Refer to the product catalog pages for additional information.

Safety Precautions

- Do not pull on the connector or the cable. The connector may be damaged or the cable conductors may be broken.
- To prevent connector damage and broken cable conductors, install the cable and connector in locations where they will not be stepped on, entangled in people's legs, or otherwise subjected to excessive strain. If installation in such locations cannot be avoided, install protective covers to protect the connector and cable.
- Do not mate the connector in the wrong direction. The connector may be damaged.
- Do not use the connector if the lock lever is broken. The connector may become disconnected, possibly causing machine malfunction.
- When installing the cable, do not bend it past the specifications given for the cable.
- Do not apply a current exceeding the rated current.
- Do not use pliers or similar tools to remove the connector.
- Hold the connector firmly when working on it, but do not apply excessive force to it.
- Once a connector has been assembled do not take it apart and reuse it. If the assembly is not successful, use a new connector to redo the operation.
- This connector is not water-proof. Do not allow it to be subjected to water or oil during operation.

Precautions for Correct Use

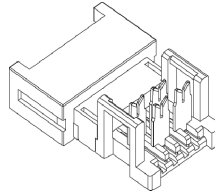
- Wiring Work
 - Do not perform wiring work or connect/disconnect the connector while the power supply is ON. Electrical shock or machine malfunction may result.
 - Wire the cable according to the wiring diagram for the machine being used.
 - Confirm that there are no short-circuits caused by wires sticking out of the connector.
- Connecting the Connector
 - Always hold onto the body of the connector when connecting/disconnecting the connector.
 - Be sure the connector is connected completely to the back and then pull in the reverse direction to be sure the connector will not disconnect.
 - Confirm that the cable labels and cable colors match before connecting the cable.

Trunk-Line Connector

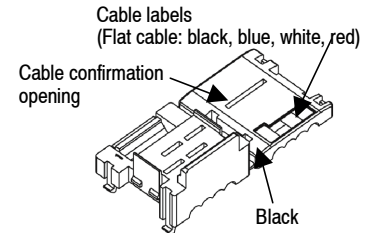
Part Names

1485P-K1TG4

(1) Housing



(2) Cover



Wiring Procedure

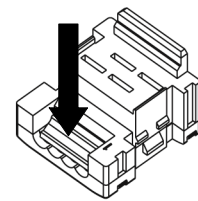
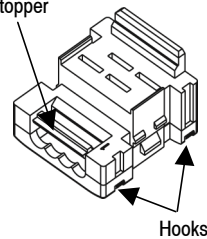
1. Cutting the Cable

- To prevent short-circuits, cut the cable with a sharp instrument and be sure there are no whiskers on the conductors.

2. Assembling the Cable Stopper (for expansion)

- Align the cover and catch the hooks and then press the cable stopper until it clicks into place and stays in place.

Cable stopper

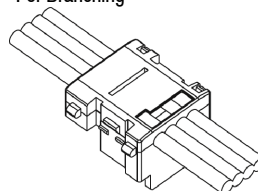


3. Connecting the Cable

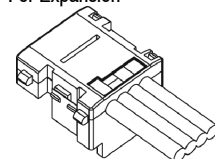
- Align the cable and place the cable in the connector.
- Sandwich the cable in the cover and catch the hooks to secure the cable.

Note: For expansion connectors, close the cover first and then insert the cable into the cover and position the cable to the end for contact with the cable stopper.

For Branching



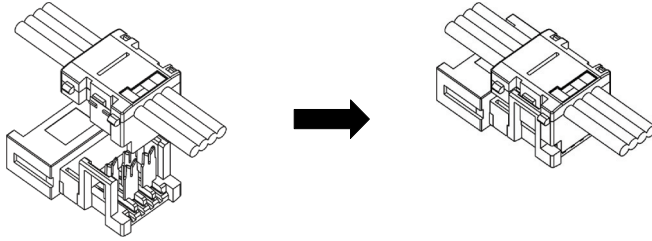
For Expansion



Connector with Cable Connected

4. Mounting the Housing

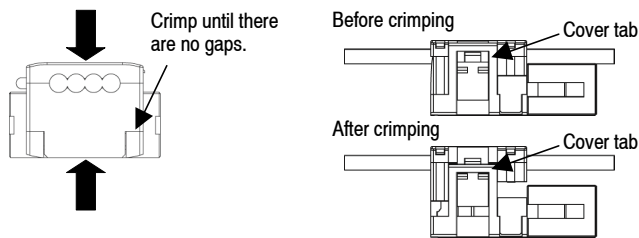
- Set the cover in the housing and secure it temporarily.



5. Assembling the Connector

- Before assembling the connectors, check that the cable is inserted all the way to the cable stopper and be sure that it is securely connected.
- Grip the connector in the center between pliers or a similar instrument and crimp the connector.
- When finished, confirm that the connector has been properly assembled.

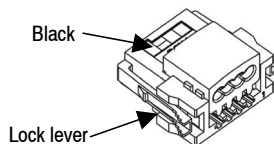
- ① Confirm that the locks on the housing are completely caught on the hooks of the cover.
- ② Be sure you can see the cable in the confirmation opening.



Drop-Line Connector

Part Names

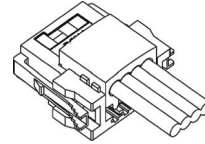
1485P-K1DL4



Wiring Procedure

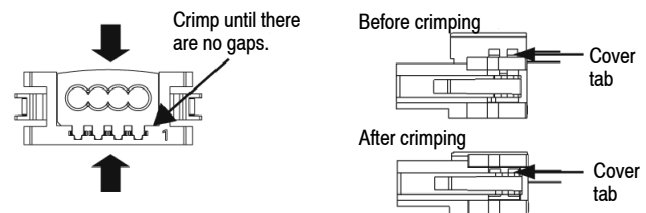
1. Cutting the Cable
 - Cut expansion cables perpendicular to the length of the cable.
 - To prevent short-circuits, be sure to cut the cable with a sharp knife and be sure that there are no short conductor wires protruding from inside the cable sheath.
2. Connecting the Cable
 - Align the cable labels and cable colors and insert the cable.

- The cover is translucent. Confirm that the cable is inserted all the way.



3. Assembling the Connector

- Before assembling the expansion connectors, check that the cable is inserted all the way and be sure that it is securely connected.
- Grip the connector in the center between pliers and the connector.
- When finished, confirm that the connector has been properly assembled.
 - ① Confirm that the locks on the housing are completely caught on the hooks of the cover.



Basic Specifications

Rated current	Power (red/black): 4 A Signal (white/blue): 0.3 A
Rated voltage	30V DC
Withstand voltage	1000V AC for 1 min.

Suitability for Use

The products contained in this installation sheet are not safety rated. They are not designed or rated for ensuring safety of persons and should not be relied upon as a safety component or protective device for such purposes. Please refer to separate catalogs for safety-related products.

Rockwell Automation shall not be responsible for conformity with any standards, codes, or regulations that apply to the combination of the products in the customer's application or use of the product.

Take all necessary steps to determine the suitability of the product for the systems, machines, and equipment with which it will be used. Know and observe all prohibitions of use applicable to this product.

Never use the products for an application involving serious risk to life or property without ensuring that the system as a whole has been designed to address the risks and that the Rockwell Automation product is properly rated and installed for the intended use within the overall equipment or system.