Installation Instructions
Bulletin 1485P KwikLink™ Lite, Insulation Displacement Connectors
Power Supply Terminal Block with Terminator and Thin Cable Flat Cable Conversion 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.
- Be careful when using a sharp knife to cut the cable.
- Do not use dirty cables, crimp terminals, or cables other than the specified cables. Doing so may cause contact failure or an increase in ambient temperature.
- Be careful not to injure your fingers when crimping the cables.
- Be sure to hold the connector firmly in place when tightening the screws.

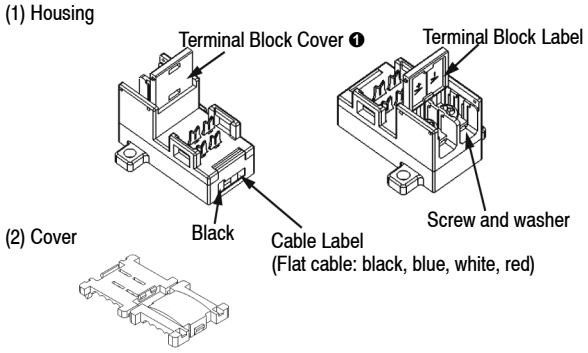
Precautions for Correct Use

- 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.

Power Supply Terminal Block with Terminator

Part Names

1485P-K1TLR4



❶ The terminal block cover is closed when the terminal block is purchased.

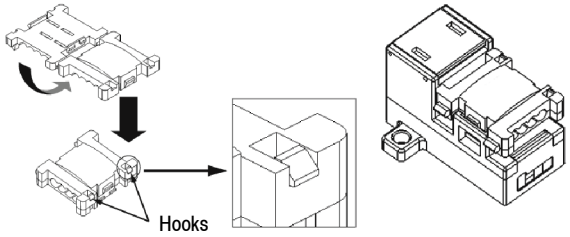
Wiring Procedure for the End that Is Crimped

1. Cutting the Cable

- Cut the cable at a 90° angle to the length of the cable.
- To prevent short-circuits, be sure to cut the cable with a sharp knife and be sure there are no short conductor wires protruding from the inside of the cable sheath.

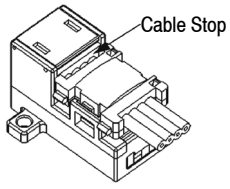
2. Temporarily Securing the Cover on the Terminal Block

- Fold the cover closed and check that the hooks on the top and bottom securely fasten into place.
- Temporarily connect the cover to the main unit.



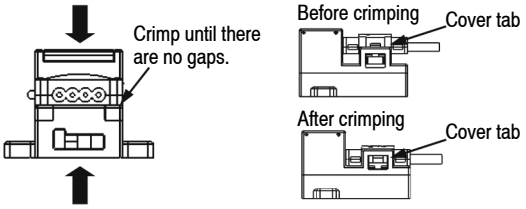
3. Attaching the Cable

- Match the cable label with the cable colors and insert the cable accordingly.
- The back of the main unit acts as a cable stop. Insert the cable all the way to the cable stop.



4. Crimping the Connector

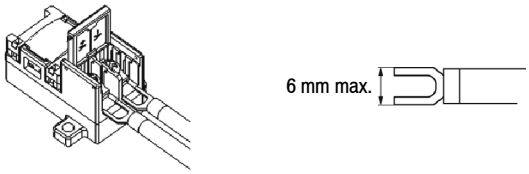
- Before crimping, be sure that the cable is inserted all the way to the cable stop with no gaps.
- Crimp at the center of the connectors using the 1485A-KCRIMP pliers.
- After crimping, check to be sure that the cable was crimped correctly.
  ① Check to be sure that the housing lock is fully hooked onto the cover tabs.
  ② After crimping, check to be sure that there are no gaps between the cover and the main unit.



Wiring Procedure for the End that Is Attached Using Screws

1. Connect the Wires

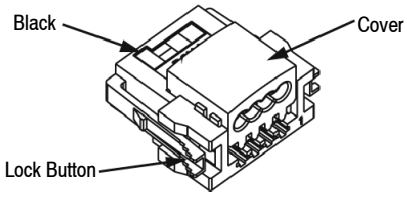
- Connect the wires with the crimp terminals to the terminals.
- Connect crimp terminals for M3 screws. The appropriate tightening torque is 0.3…0.5 N•m (2.655…4.425 lbf in). Use a screwdriver that is an appropriate size for the M3 screws.



Thin-Cable Flat-Cable Conversion Connector

Part Names

1485P-K1GK4



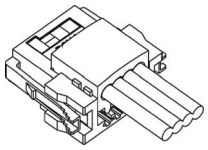
Wiring Procedure

1. Cutting the Cable

- Cut the cable at a 90° angle 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.

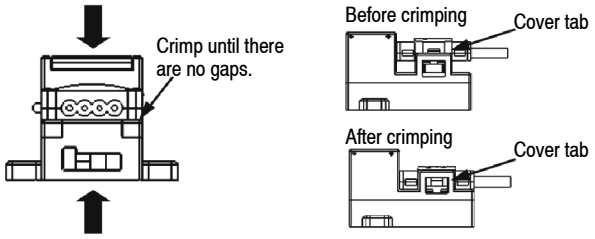
2. Attaching the Cable

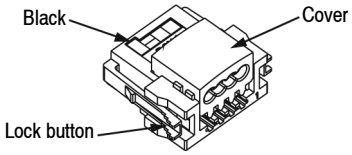
- The cover is semitransparent, which allows you to check to be sure that the cable is fully inserted.



3. Crimping the Connector

- Before crimping, be sure that the cable is inserted all the way to the back and there are no gaps.
- Crimp at the center of the connectors using the 1485A-KCRIMP flat cable crimp tool.
- After crimping, check to be sure that the cable was crimped correctly.
  ① Check to be sure that the housing lock is fully hooked onto the cover tabs.
  ② After crimping, check to be sure that there are no gaps between the cover and the main unit.





Basic Specifications

Rated current	Power supply (red, black, V+, V-): 4 A
Rated voltage	30V DC
Dielectric strength	1000V AC for 1 minute

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.