

# Column-Width Controller Cable Kit for use with Powerlink™ Systems

Retain for future use.

## Introduction

The Powerlink™ Column-width Controller Cable Kit is used to connect a Powerlink controller to a Powerlink power supply in a column-width panelboard.

The Powerlink Column-width Controller Cable Kit includes:

- Controller Cable (NFCWG3)
- Wire Ties (4)
- Adhesive Mounts (4)

## Installation

Follow these steps to connect the column-width controller cable from the controller to the power supply (refer to Column-width Controller Cable Connection, page 2 and Attaching Controller Cable with Wire Ties, page 2).

**NOTE:** The controller cable occupies the line side of the panelboard and meets all requirements when installed as directed. No field-installed wiring is allowed in this area.

### DANGER

#### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E, NOM-029-STPS or CSA Z462 or local equivalent.
- Electrical equipment must be installed, operated, serviced, and maintained only by qualified personnel.
- Turn off all power supplying the panelboard interior and the equipment in which it is installed before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.
- Before energizing panelboard, all unused spaces must be filled with blank fillers.

**Failure to follow these instructions will result in death or serious injury.**



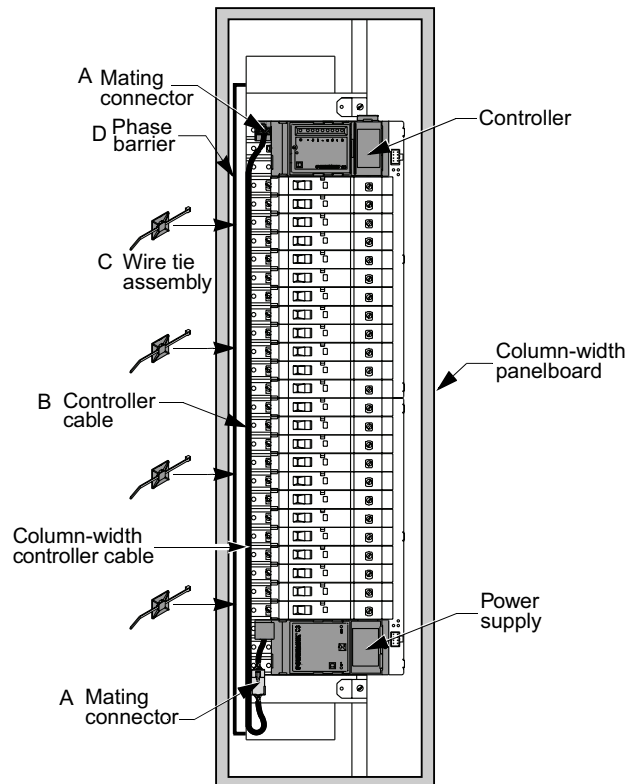
**WARNING:** This product can expose you to chemicals including nickel compounds, which are known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

1. Install the power supply and controller according to the related instruction bulletins.  
Mounting the controller in the top three pole spaces and the power supply in the bottom three pole spaces of the panelboard is recommended.
2. Plug each end of the controller cable into the mating connectors (A) of the controller and power supply.
3. Route the controller cable (B) along the line side of the circuit breakers on the left side of the panelboard, allowing any extra cable length to loop into the bottom of the panelboard.
4. Use the wire tie assemblies (C) to attach the cable to the black phase barrier (D) [located on the left interior of the panelboard] as follows:

**NOTE:** Column-width Controller Cable Connection, page 2 suggests approximate locations for mounting the wire tie assemblies.

- a. Remove each adhesive mount's back strip, exposing the adhesive.
- b. Place the adhesive mounts on the circuit breaker side (near the front edge) of the phase barrier, spacing them evenly along the panelboard.
- c. Insert the wire ties through the adhesive mounts, as shown in Attaching Controller Cable with Wire Ties, page 2.
- d. Secure the controller cable with each wire tie.

**Figure 1 - Column-width Controller Cable Connection**



**Figure 2 - Attaching Controller Cable with Wire Ties**

