

Electrified Locks, Relays and Timers

# CM-PT250AL/375AL (Aluminum) Power Transfer Cables

## INSTALLATION INSTRUCTIONS

### THIS PACKAGE INCLUDES:

- |                          |                                    |
|--------------------------|------------------------------------|
| 1 - Power Transfer Cable | 4 - #10 x 7/8" Self Tapping Screws |
| 2 - Endcaps              | 6 - #6 x 1/2" Self Tapping Screws  |

### 1. GENERAL DESCRIPTION

Camden's Power Transfer Cables are ideal for connecting power to door accessories like crash bars, electric locks, and other security devices. Their flexible yet durable construction makes them suitable for a wide range of commercial, industrial, and institutional applications where reliable power transmission is critical. Our Power Transfer Cables are crafted with precision engineering, ensuring they exceed industry expectations for performance and durability.

### 2. SPECIFICATIONS

Model Number	Length Options	Inside Diameter	Screw Size	Material	Endcap Type
CM-PT250AL-18	18" (457mm)	1/4" (6.4mm)	#10 x 7/8" Screws	Stainless Steel, US26 finish	Aluminum
CM-PT375AL-18	18" (457mm)	3/8" (9.5mm)	#10 x 7/8" Screws	Stainless Steel, US26 finish	Aluminum
CM-PT250AL-DUR-18	18" (457mm)	1/4" (6.4mm)	#10 x 7/8" Screws	Stainless Steel, US26 finish	Aluminum Duranodic
CM-PT375AL-DUR-18	18" (457mm)	3/8" (9.5mm)	#10 x 7/8" Screws	Stainless Steel, US26 finish	Aluminum Duranodic

#### Wire Fill Chart:

Model Number	Number of Wires @ #18 AWG	Number of Wires @ #20 AWG	Number of Wire @ #22 AWG
CM-PT250AL-18 CM-PT250AL-DUR-18	4 Conductors	8 Conductors	12 Conductors
CM-PT375AL-18 CM-PT375AL-DUR-18	8 Conductors	12 Conductors	16 Conductors

### 3. INSTALLATION

#### Initial Setup

- Identify Model:** Follow these steps if you are installing the CM-PT250AL or CM-PT375AL Camden Power Transfer Cable.
- Position Endcaps:** Detach the Endcap covers and place the Endcaps at the intended mounting locations on the door frame and the door, and align them with the path of the Power Transfer Cable.
- Align and Mark Cable Passage Hole and Mounting Locations:** Mark the hole locations for cable passage and the Endcap mounting locations on both the door frame and on the door using the Endcaps or the previously drilled hole as a guide.

(See Figure 3.1 and 3.2 on the next page for reference.)

#### Drilling Holes

- Drill Cable Passage Hole:** Drill a 3/8" (9.5mm) diameter hole through the door frame and the door to allow the Power Transfer Cable to pass through.

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**Note:** You can drill a 1/4" (2.5mm) diameter hole for cable passage on CM-PT250AL models.

5. **Drill Endcap Mounting Holes:** Drill pilot holes at the marked locations using a 5/32" (4mm) drill bit for the #10 x 7/8" screws for mounting.

### Cable Installation and Mounting

6. **Insert Cables:** Insert the cables in and through the Power Transfer Cable Loop.
7. **Attach Endcaps:** Secure the Endcaps on the door frame and door with the #10 x 7/8" screws provided.
8. **Secure Power Transfer Cable:** Ensure that the set screws on the loop end clamps on both Endcaps are tight, that there are no sharp bends or tension in the cables.

### Finish Installation

9. **Attach Endcap Covers:** Reattach the Endcap covers with the #6 x 1/2" Phillips pan head screws.

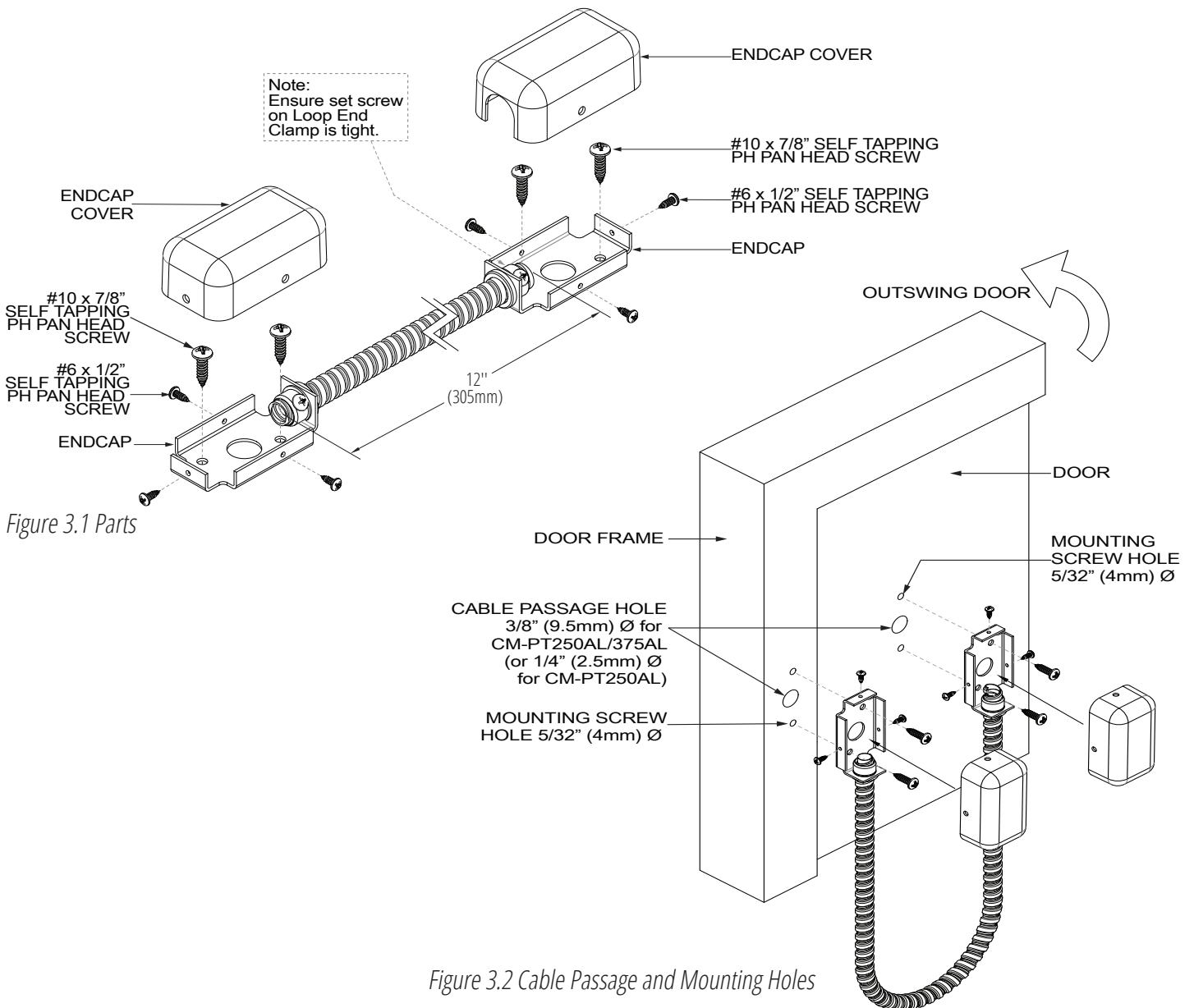


Figure 3.2 Cable Passage and Mounting Holes