



SmartTWO™

Cable Management System Installation Guide

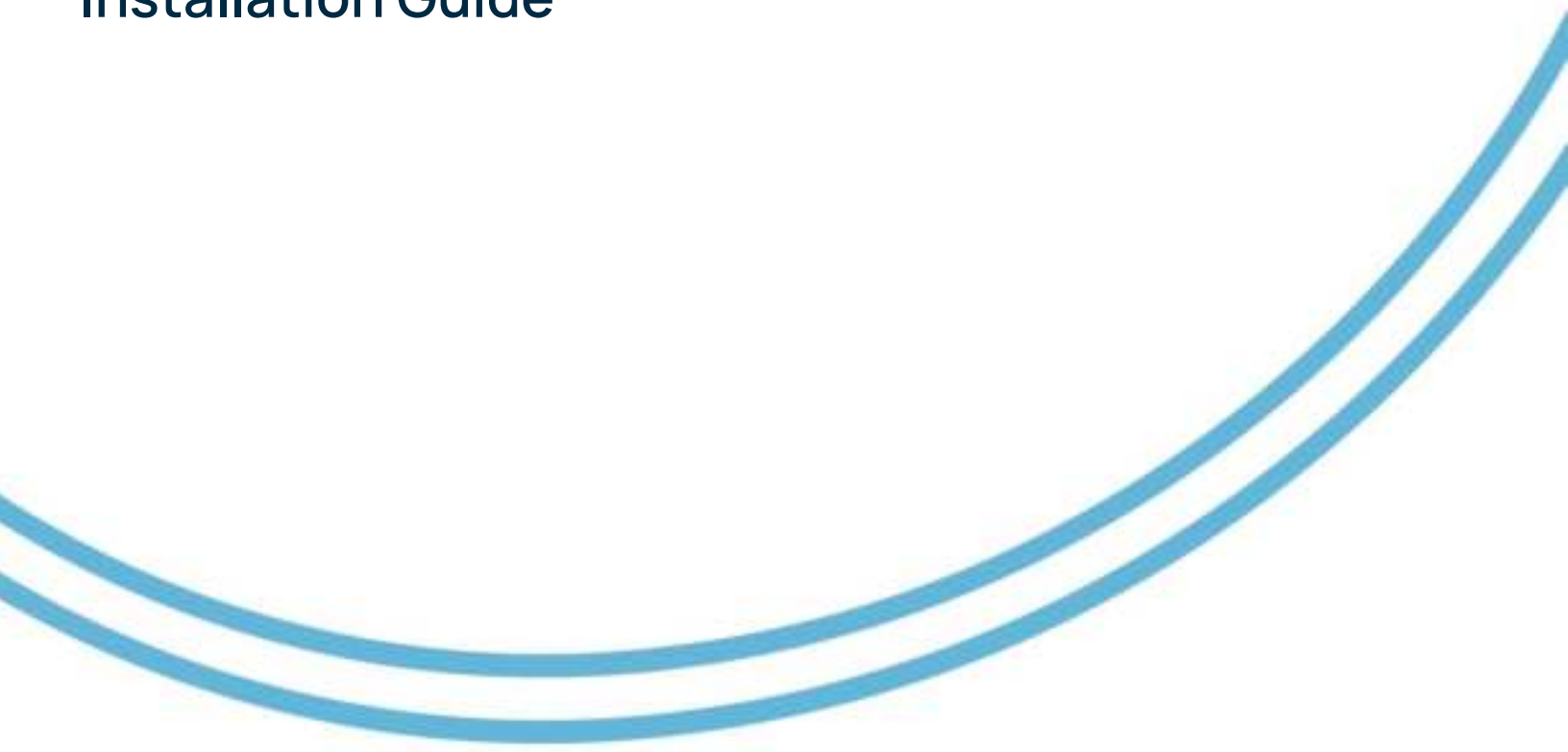


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1. Introduction

This guide describes the installation of a Cable Management System (CMS) on a SmartTWO™ pedestal. The CMS can be mounted on the following pedestal model and configurations.

Pedestal Model:

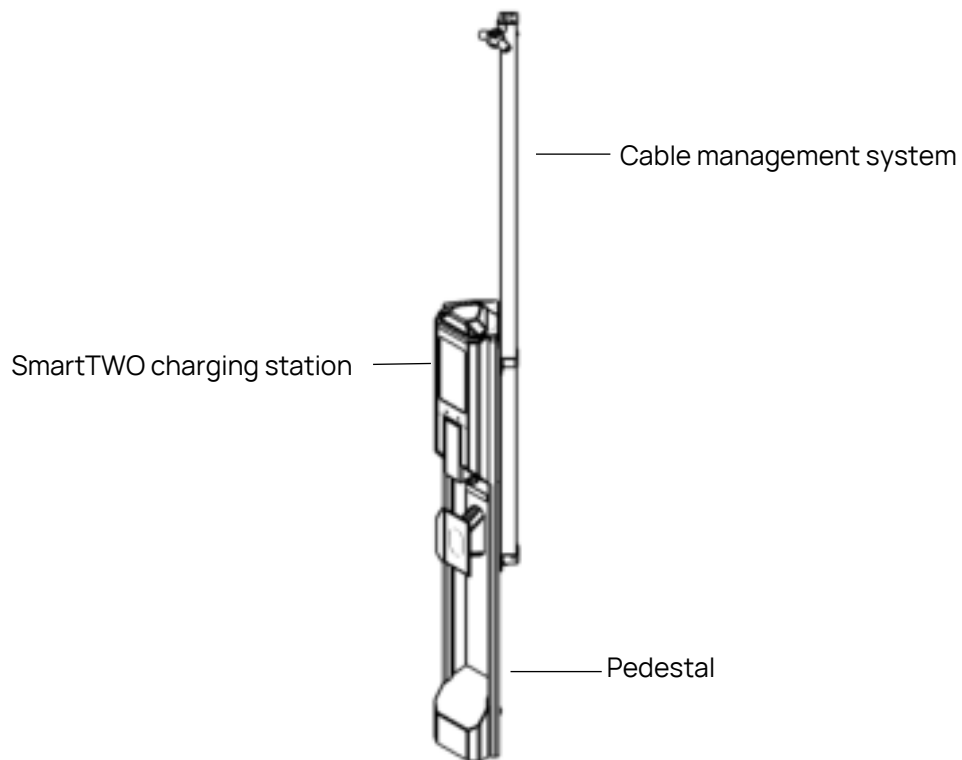
- ACPE000024

Pedestal Configurations:

- Single pedestal
- Double pedestal

NOTE: The CMS cannot be retrofitted to other pedestal models or pedestal configurations.

The CMS is designed to be installed on the pedestal prior to the installation of the charging station.



2. Safety Instructions

Read all instructions before using this product.

PLEASE SAVE ALL OF THE INSTRUCTIONS CONTAINED IN THIS MANUAL.

Refer to the *SmartTWO™ Installation Guide* for your product's complete Safety and Maintenance Instructions.

2.1. Instructions Pertaining to the Risk of Fire or Electric Shock



WARNING: When using electric products, basic precautions should always be followed, including the following. This manual contains important instructions for the SmartTWO cable management system that must be followed during the installation, operation, and maintenance of the unit.

2.2. Important General Safety Instructions



CAUTION: Always use a manual screwdriver only. DO NOT use an impact driver for the screws at any time, as doing so will void the warranty.

2.3. Safety and Maintenance for Cable Management System Installation

IMPORTANT SAFETY INSTRUCTIONS – PLEASE DO NOT DISCARD THESE INSTRUCTIONS.

Carefully read this section before installing the CMS.

1. Always disconnect the power on the pedestal and charging station before the installation of a CMS.
2. Handle parts with care since they can be sharp-edged. Always use safety glasses and gloves when unpacking and installing.

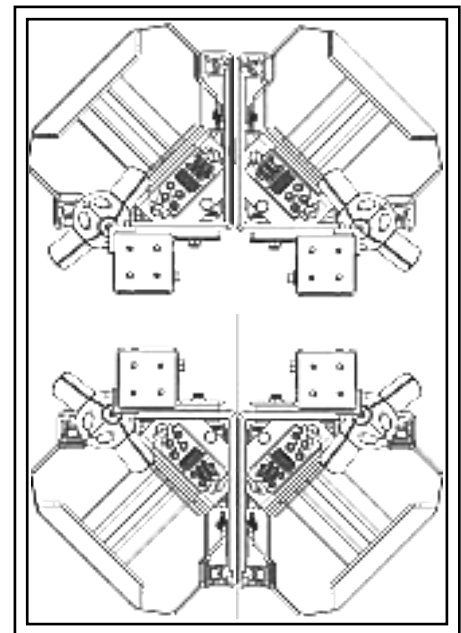
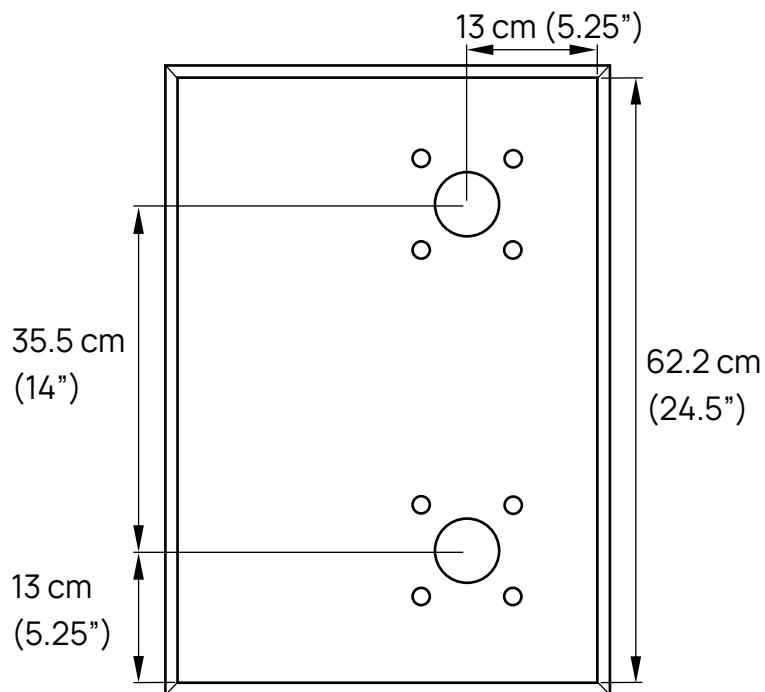
3. Always use proper lifting techniques and wear safety boots during installation. Some parts are heavy and could cause injuries.

3. Anchor

The anchor and concrete base layout are not impacted by the CMS for single and double pedestal installations. See the *SmartTWO™ Anchor Guide* for more information.

Quad pedestal installation is not supported when using a CMS. However, it can be replicated by using two double installations placed back-to-back. In this situation, two anchors must be used. There must be a 35.5 cm (14") center-to-center space between the two anchors to allow space for the CMS, as indicated below.

Anchor Positioning on Concrete Base



4. Material

The table below describes the material included with the CMS. Use the number in the table to refer to the material in the image. Only SmartTWO mounting hardware is needed. The remaining mounting hardware components are not needed and can be put aside.

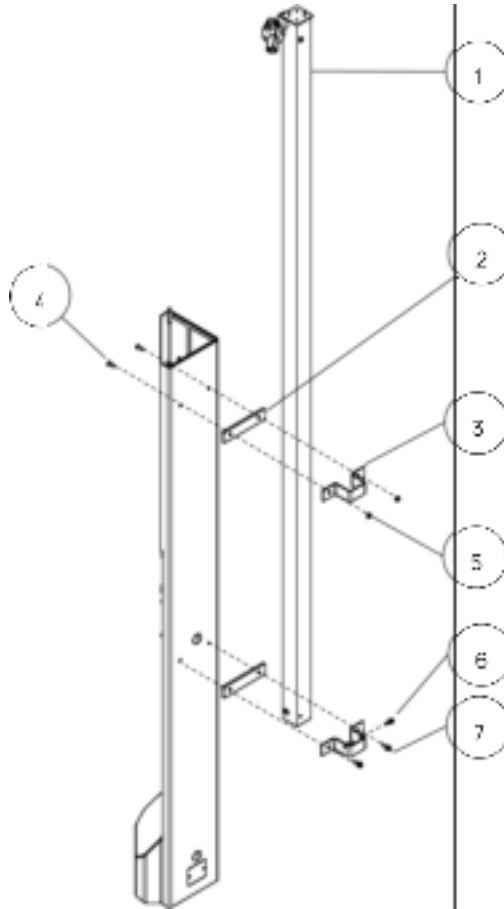


Image Reference Number	Included Material	Quantity
1	Cable management system column and cable clamp	1
2	Rectangular spacing shims	2
3	Column mount brackets	2
4	Phillips flat-head screws, 1/4"-20 thread, 3/4" length	2
5	Nylon-insert locknuts, 1/4"-20 thread	2
6	Hex-head self-piercing screw, 1/4"Ø, 3/4" length	1
7	Serrated-flange hex-head screws, 1/4"-20 thread, 3/4" length	2

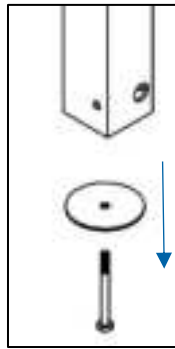
5. Installation



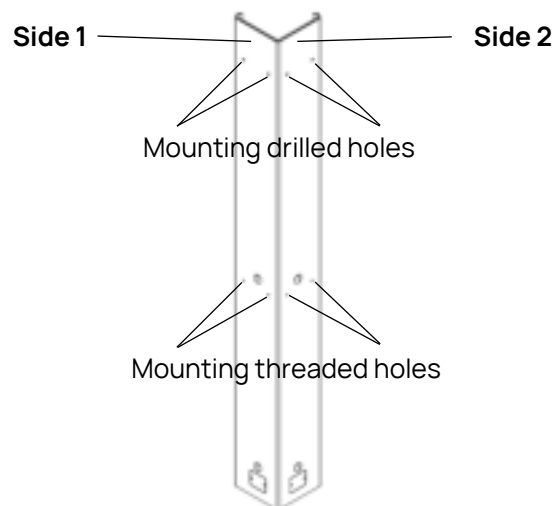
CAUTION: Before getting started, disconnect the power to prevent electric shock.

5.1. Cable Management System Installation

1. First, install the pedestal on the ground. Refer to the *SmartTWO™ Installation Guide* as needed. Do not connect the cables or charging station, as installing the CMS beforehand is recommended.
2. Remove the security screw used to hold the counterweight during transportation when unpackaging the CMS.



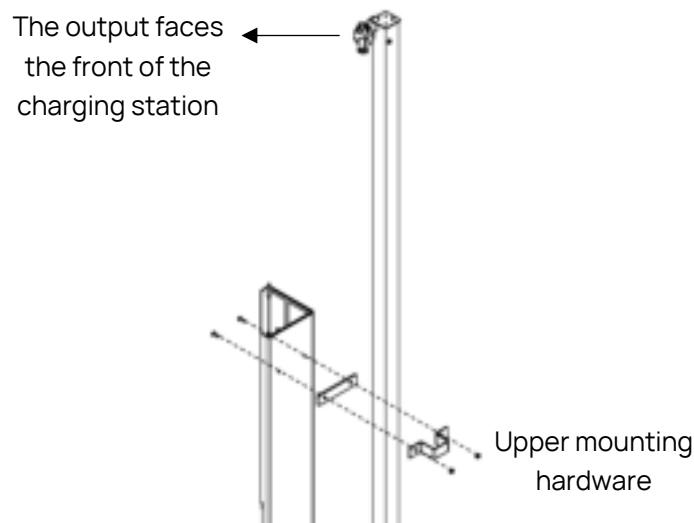
3. Identify one of the two pedestal backsides on which the CMS will be placed. It can be placed on either of the two sides using the pre-drilled and threaded holes.



4. Remove the front block cover on the pedestal by unscrewing the four screws.

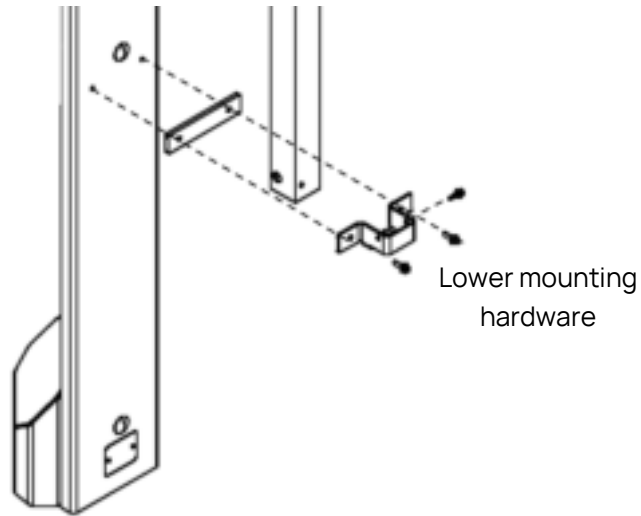


5. Remove the nuts (4), washers (4) and bolts (4) from the backside identified in step 3. Install the rectangular spacing shim on the pedestal upper mounting holes. Put the column in place then install the column mount bracket on the column. Screw the parts together loosely with the Phillips flat-head $\frac{1}{4}$ -20 screws and nylon locknuts. The CMS column is maintained in place and can move freely to install the lower mounting hardware.

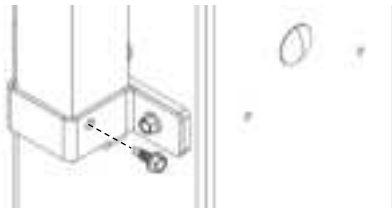


RECOMMENDATION: To position the column, make sure the cable management cable clamp is facing the front of the charging station/pedestal.

6. Install the rectangular spacing shim on the lower mounting holes on the pedestal. Install the column mount bracket on the column. Screw the parts together loosely in the threaded holes using the $\frac{1}{4}$ -20 serrated-flange hex-head screws.



7. Screw the ¼"Ø hex-head self-piercing screw on the side of the cable management column.



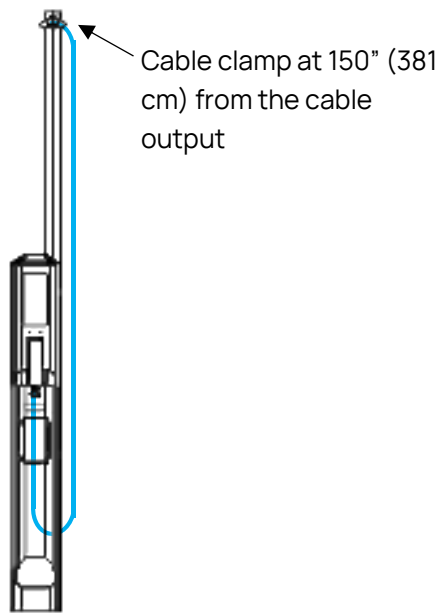
8. Secure the top and bottom brackets by tightening the screws.

5.2. Cable Clamp Positioning

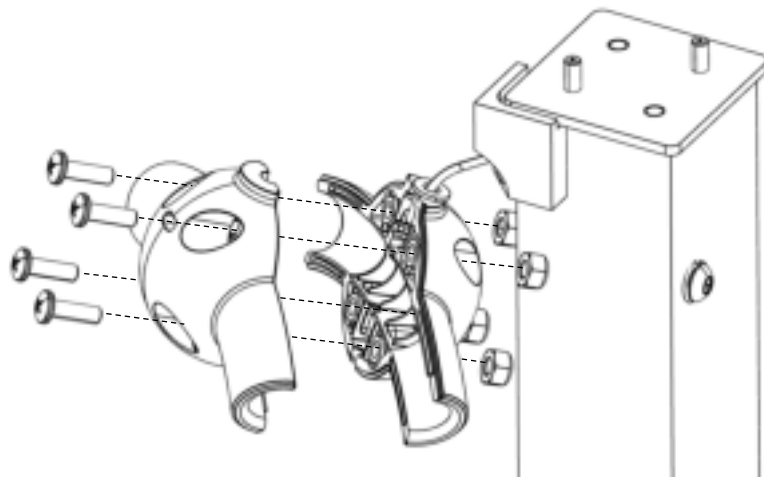
Once the station is installed, proceed to the cable clamp positioning.

1. Plan to position the cable clamp 150" (381 cm) from the cable output.

RECOMMENDATION: The cable portion between the clamp and the charging connector must not touch the ground when the CMS is completely retracted.



2. Pull on the cable of the CMS to hold the cable clamp in your hand.
3. Remove the four Phillips screws on the cable clamp.



4. Pass the cable through the cable clamp. Aim to position it at 150" (381 cm) from the cable output.
5. Reinsert the screws in the cable clamp and screw them in (3.5 N-m, 31 lb-in) to fix the cable to the cable clamp.

6. Let the cable retract itself. Verify the clearance between the charging station cable and the ground.
7. Roll the cable overhang around the charging station cable holder.
8. Complete the installation of the SmartTWO charging station. Refer to the *SmartTWO™ Installation Guide* for more information.

6. Copyright and Liability

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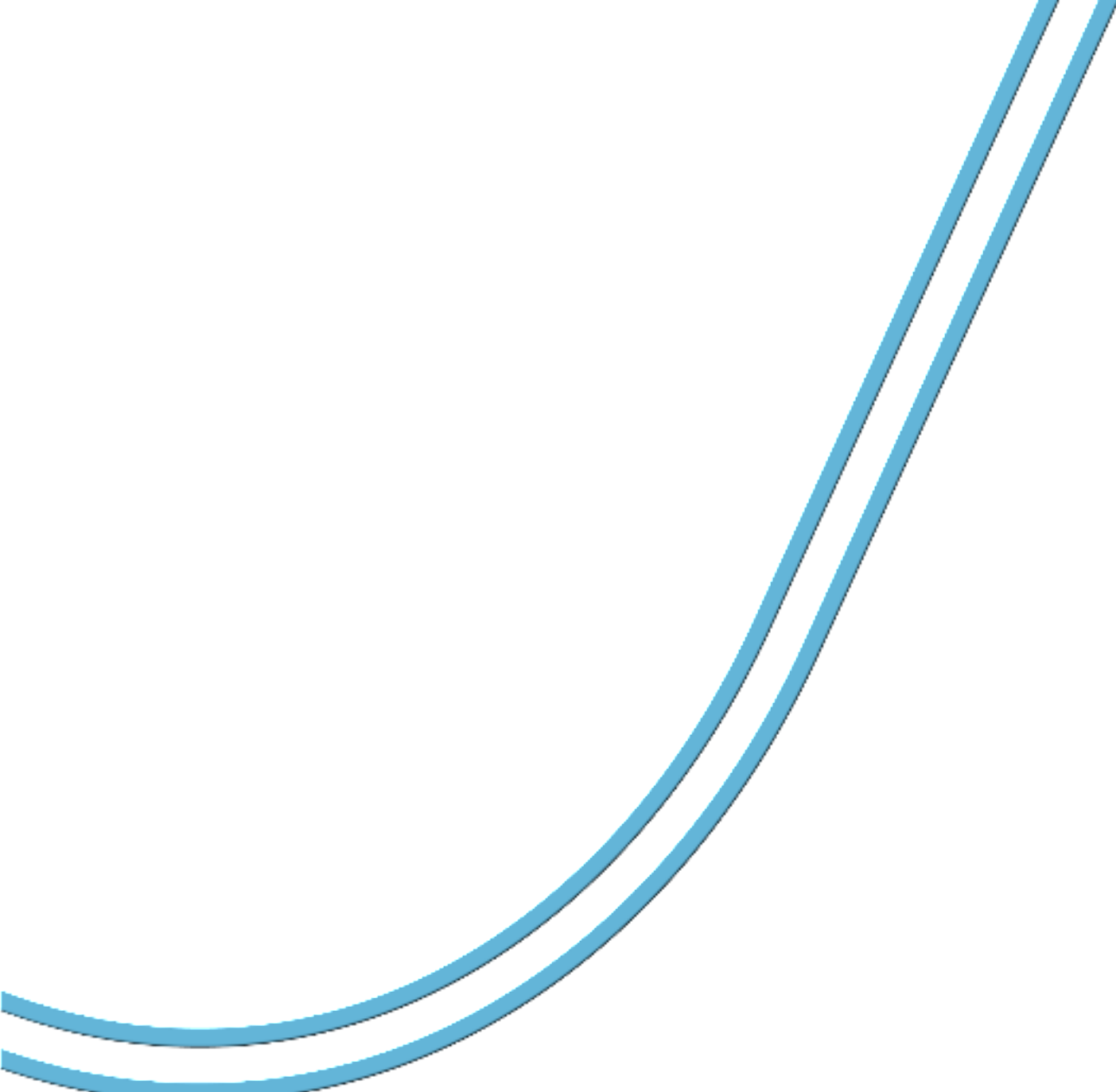
FLO_SmartTWO_Cable_Management System Installation

Guide_V.2.0.1_2024_08_08_CA_EN

Document ID: PRFM0122

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