CVC Cable
Sizing and Attachment

Installation Instructions

CABLE IDENTIFICATION

1 Identify Cables and Locations.

For easy identification, each cable is labeled with part number and location.

CABLE IDENTIFICATION

<table>
<thead>
<tr>
<th>Door Opening Height</th>
<th>A Top Cable (Red)</th>
<th>B Bottom Cable (White)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' 0&quot; - 6' 10&quot;</td>
<td>47250398</td>
<td>47250403</td>
</tr>
<tr>
<td>6' 10&quot; - 8' 0&quot;</td>
<td>47250175</td>
<td>47250178</td>
</tr>
<tr>
<td>8' 0&quot; - 9' 2&quot;</td>
<td>47250176</td>
<td>47250179</td>
</tr>
<tr>
<td>9' 2&quot; - 10' 4&quot;</td>
<td>47250177</td>
<td>47250180</td>
</tr>
<tr>
<td>10' 4&quot; - 11' 6&quot;</td>
<td>47250399</td>
<td>47250404</td>
</tr>
<tr>
<td>11' 6&quot; - 12' 8&quot;</td>
<td>47250400</td>
<td>47250405</td>
</tr>
<tr>
<td>12' 8&quot; - 13' 10&quot;</td>
<td>47250401</td>
<td>47250406</td>
</tr>
<tr>
<td>13' 10&quot; - 15' 0&quot;</td>
<td>47250402</td>
<td>47250407</td>
</tr>
</tbody>
</table>

* Based on standard centerline of 39 5/8" from finished floor

WARNINGS AND CAUTIONS

**WARNING**

Warnings indicate potentially hazardous conditions, which if not avoided or corrected, may cause death or serious injury.

**CAUTION**

Cautions indicate potentially hazardous conditions, which if not avoided or corrected, may cause minor or moderate injury. Cautions may also warn against unsafe practices.

Caution: Cautions indicate a condition that may cause equipment or property damage only.

Customer Service

1-877-671-7011  www.allegion.com/us
CABLE COMPONENTS

CABLE SIZING PREPARATION

2 Align Sizing Tape to Horizontal Device Center Line as shown. For Bottom Cable Sizing (if applicable), Align Sizing Tape to Bottom Edge of Door.

3 Loosen Conduit Lock Nut ½ Turn. At Opposite End of Cable, Pull Casing Cap to Line on Tape.

Use cable components diagram above for reference.

CABLE SIZING

To Size Top Cable, Align Sizing Spacer Hook to Top Edge of Door.

Caution: Do not remove sizing spacer from cable assembly until indicated.

   - Caution: Do not overtighten.
   - **WARNING** Failure to properly tighten conduit lock nut will result in device malfunction and possible lock in or lock out situation.

7. Remove Warning Label. While Pulling Core Wire Tight, Hand Tighten End Fitting Nut.

8. Remove Sizing Spacer. (Do not discard.)

9. While Holding End Fitting in Place with Pliers, Fully Tighten End Fitting Nut with Wrench.
   - **WARNING** Failure to properly tighten end fitting nut will result in device malfunction and possible lock in or lock out situation.
   - Once tightened down, end fitting nut can’t be loosened or readjusted.

10. Cut Core Wire Flush with End Fitting.

11. Snap Sizing Spacer onto Large Diameter Conduit for Storage.

12. To Size Bottom Cable, Align Sizing Spacer Hook to Top Edge of Door as before, and Repeat Steps 3 thru 10.
   - For 2-Point Latch Only
   - Repeat Steps 3 thru 10
CABLE ATTACHMENT

13 Flip Top Cable.

Caution: After sizing, TOP cable must be flipped 180° before installing. See tag.

14 Install Top Cable.

a. There is an end fitting on one end of the red cable. Position this end to clip on center slide.

   - Correct Orientation
   - Wrong End

   - a
   - clip
   - end fitting
   - Red
   - center slide (98/9949 shown)

b. Pull cable into clip to snap it into place.

c. Push cable snap against center slide to secure cable.

d. Follow steps (a) thru (c) to install opposite end of red cable to top latch in the position marked red.

15 Install Bottom Cable.

For 2-Point Latch Only

a. There is an end fitting on one end of the white cable. Install this end to the remaining top latch position (marked as white).

   - Correct Orientation
   - Wrong End

   - a
   - end fitting
   - White

b. Install opposite end of white cable to bottom latch.

Caution: Ensure cable end is fully seated in clip.
16 Determine if Bottom Latch Retraction Adjustment is Necessary.
For 2-Point Latch Only

**CAUTION**
Critical step.

Adjustment must be made while the top latch is in the hold-open position.

a. Flex the cable into an L-shape as shown to simulate the installed condition of the latches.

b. To determine whether an adjustment is required, actuate the top latch to the hold-open position by pressing down on the connecting rod. Bottom latch should retract to within $\frac{1}{16}$" of flush. If it does not, an adjustment is necessary.

If no adjustment is needed, proceed to Step 18.

17 Adjust Bottom Latch Retraction (if necessary).
For 2-Point Latch Only

**CAUTION**

Adjustment must be made while the top latch is in the hold-open position.

a. Use a permanent marker or tape to mark position of bottom cable conduit.

b. Loosen conduit lock nut so conduit is free to slide.

c. Pull until (1) extra wrap of conduit can be seen (1 wrap = $\frac{1}{8}$").

d. Hand tighten conduit lock nut.

e. Repeat Step 16. Confirm bottom latch now retracts to within $\frac{1}{16}$" of flush.

f. If not, loosen conduit lock nut, pull out an additional wrap of conduit, and hand tighten conduit lock nut.

g. Wrench tighten conduit lock nut $\frac{1}{4}$ turn.

Caution: Do not overtighten.

**WARNING**
Failure to properly tighten conduit lock nut will result in device malfunction and possible lock in or lock out situation.

18 Confirm Bottom Deadlatching.
For 2-Point Latch Only

a. Lock top latch. Flex the cable into an L-shape as before.

b. Push against flat side of bottom latchbolt. Latchbolt should NOT release.

If latchbolt releases, return conduit to position marked in Step 17a. Repeat bottom latch retraction adjustment.

**CAUTION**
If no bottom latch retraction adjustment was necessary, yet the bottom latch won’t deadlatch, contact technical support.
Refer to Device Instructions to Complete Installation.

CABLE REMOVAL
(If cable was installed in wrong position)

A cable removal tool was included with device. Slot in tool fits over cable, holding tabs down. Pull on cable snap to loosen cable for removal.

CORE WIRE REPLACEMENT
(If core wire was cut too short)

a. Cut core wire. Discard old core wire and end fitting.

b. Slide new core wire thru conduit and end fitting.

c. Reattach spacer as shown.