

Installing Stainless Steel Miami Style Cable Railing Swageless Terminal

Overview¹

This document will instruct the user to successfully install Stainless Steel Miami Style Cable Railing Terminals. Following these instructions will minimize maintenance on the cable system. There is a common tendency to over-tighten cables which will eventually cause damage to the system. Make sure all cable spans are equally tight, over-tightening a middle cable will make the other cables loose.

[General Instruction Page](#)

[YouTube Installation - Miami Style Cable Rail System](#)

[Engineering Specifications](#)

Caution:

- Wear protective ANSI approved safety glasses, working gloves and breathing mask at all times
- Inspect before installation or use; do not use if parts are loose or damaged
- Use for intended purposes only
- Beware of dynamic loading; sudden jerks against load may briefly create excess load causing failure

Tools Required - we demonstrate with installation for 4mm (5/32") cable

- 1) 14mm wrench
- 2) 13mm wrench
- 3) 2.5mm hex wrench
- 4) [cable cutters](#)
- 5) screw driver

Instructions

- 1) Disassemble swageless terminal



¹ This document includes hyperlinks and is intended to be viewed as a PDF file rather than print material

- 1) Position the eye piece around the eye bolt, drop in the pin and insert the ring.



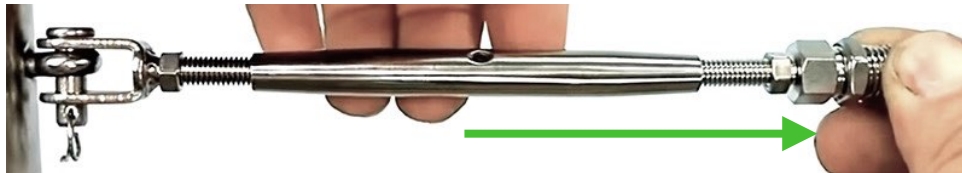
- 2) Measure a single run of cable and cut in order to use as the standard length for each run to avoid stacking small cut difference. [These instructions are also in the tensioner document.](#)

To measure:

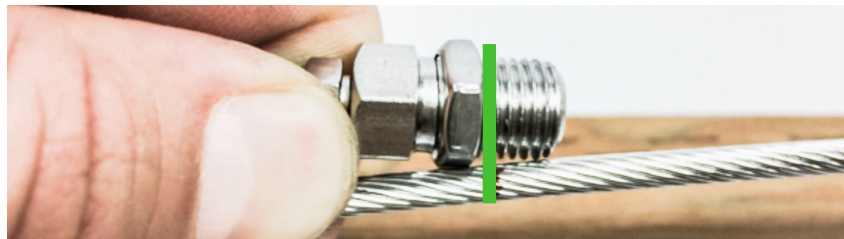
- a) Install the uncut cable to the terminal by hand tightening. Do not tighten the lock nut (the cable will be removed after measuring). Turn the nose to make sure the collet is inserted enough for the brass spacer to clear a few threads



- b) Now, on the other side: untwist the tensioner halfway



- c) Span the cable from the terminal to the lock nut of the tensioner, and mark the cable at this point.



- d) Use cable cutters to cut the cable to this length.
- e) Remove the cable from the terminal.

- 3) [Install the tensioners per Inline Design instruction.](#)

4) Insert the cable into the nose of the terminal. Holding the rubber jaws by the base near the metal ring, push the wire through the teeth. Allow 3/8" spacing from the end of the wire to the bottom of the teeth.



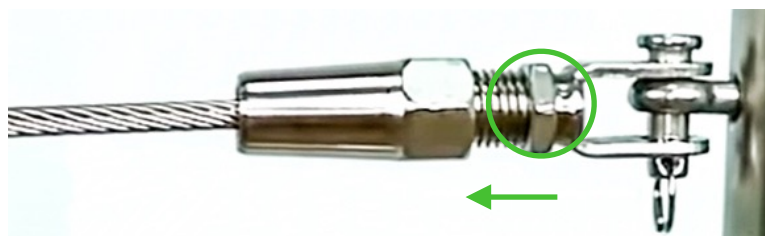
4) Push the jaws all the way into the terminal. Add the brass spacer ring.



5) Insert the cable into the cavity of the eye piece attached to the post. Thread the nose finger tight. Use a hex wrench or screwdriver to hold this in place while using a 14mm wrench to tighten the spanner.



6) Secure the terminal with the lock nut.



- 7) Secure the position of the terminal by anchoring the nose with a 14mm wrench and tightening the nut with a 13mm wrench.



- 8) [Tension the cable](#). You may choose to use a 2.5mm hex wrench to do so.
Remember not to over-tighten or twist the cable during this step.

NOTE: A small amount of surface corrosion is not uncommon after a some exposure to weather or salty conditions. We recommend using our [passivation solution](#) or some sort of stainless polish to keep any surface corrosion from happening; more information available [on our Engineering Specs Page](#).