

# Installation Instructions for Wood Posts (min. 4x4) on Level Runs

using RailFX® 262 Series Kit



## Tools Required for Installation

- 5/32" Drill Bit
- 1/4" Drill Bit
- 29/64" Drill Bit
- 3/16" Hex Wrench
- 3" Combo Wrench
- RFXPL-KEY
- Cut Off Kit (mandrel)
- Cut Off Kit (wheel)
- Small Block of Wood

## Cut-off Tool

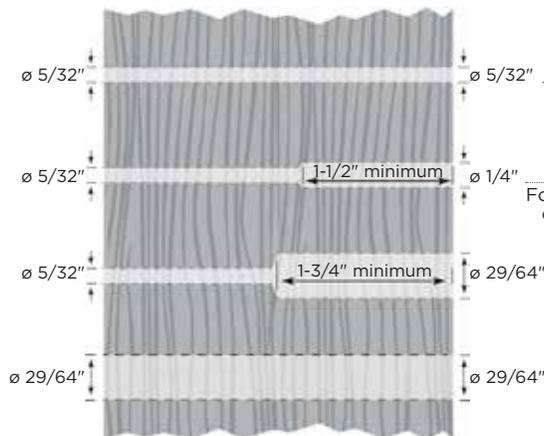
Used to cut cable flush with the end of the Pull-Lock® fittings, and to cut excess threads off stud-type Receivers. Includes mandrel and two cut-off wheels.

Order **RFX-CUT-OFF KIT**

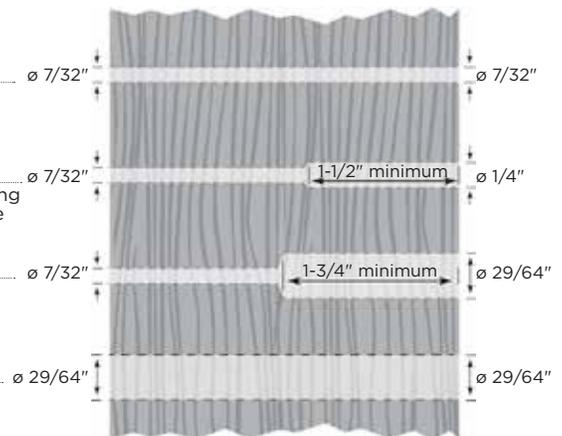


## A. DRILL POSTS

Hole size for  $\varnothing$  1/8" dia. cable installation



Hole size for  $\varnothing$  3/16" dia. cable installation

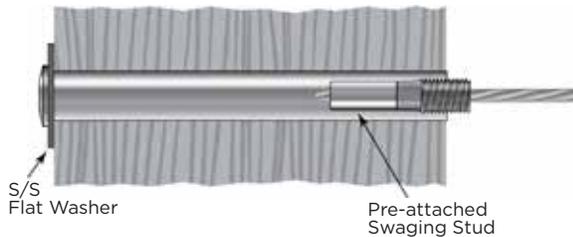


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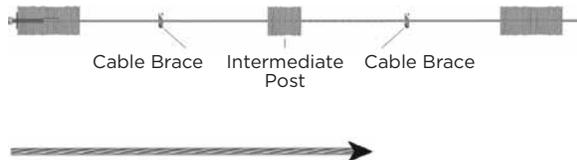
## B. INSTALL TENSIONING TERMINAL

1. Slip the 7/16SAE stainless steel flat washer over the body of the Receiver and insert the Receiver into the post.
2. Start the swaging stud attached to the cable into the Receiver and turn 3 complete turns. This will thread about 1/2 of the stud into the Receiver.



## C. FEED CABLE THROUGH INTERMEDIATE POSTS

1. Feed the bare end of the cable through all intermediate posts and through the end post where you will be installing the Pull-Lock® fitting.



Feed bare end of cable through all other posts.

## D. FEED/CRIMP CABLE THROUGH CORNER POSTS

1. Instructions for going through wood post corners are available at our website at <http://thecableconnection.com/pdfu/corner-instructions.pdf> or scan the QR Code at right with your smart phone, or call us at 800-851-2961 and ask for Cable Railing Technical Support and we'll email it to you.

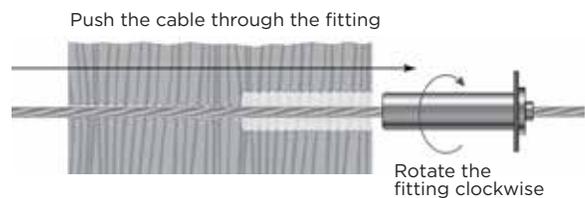


## E. INSTALL SWAGELESS TERMINAL

1. Slip the 7/16SAE stainless steel flat washer over the body of the Pull-Lock® fitting.



2. Rotate the Pull-Lock® fitting clockwise as you push it onto the cable. If the cable begins to "unravel," you are rotating the fitting in the wrong direction.



Note: If you have trouble inserting the cable into the fitting, it may be because the locking wedges have become stuck. This is not a defect!

Here's what you can do to "free the wedges"

For Pull-Lock® or Push-Lock® fittings for 1/8" cable, using either a RFXPL-KEY or 1/4" diameter bolt, insert the RFXPL-KEY or bolt into the hole and press until the wedges move freely. Perform the same operation for a 3/16" Pull-Lock® or Push-Lock®, except use a 16d nail or another tool with 1/8" or smaller diameter. Anything larger than what is recommended can actually get stuck inside the fitting - NOT what you want!

3. Push the Pull-Lock® fitting along the cable and firmly into the hole in your post. While holding the Pull-Lock® fitting against the end post, pull the bare end of the cable to remove as much slack in the cable as possible.





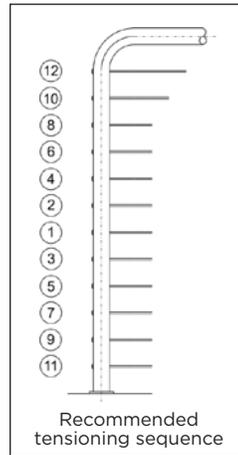
## F. TENSION CABLES

1. Go to the other end and tension the cable by holding the cable securely to prevent it from turning while you turn the Receiver with a hex wrench. Be careful to protect the cable from damage while tensioning.



The swaging stud will be pulled into the Receiver by rotating the Receiver clockwise.

2. Tension all cables in sequence, beginning with the center cables, moving up and down toward the top and bottom. As you tension each cable, give it a sharp pull downward mid-span to help set the wedges, then re-tension as necessary in the same sequence. Be aware that the cable may move as much as 3/16" toward the tensioning terminal as the wedges seat.



## G. TRIM EXCESS CABLE

1. Return to the swageless terminal. Cut the cable flush with the hole in the back of the fitting using a cut-off wheel.



2. Twist the cap onto the lip of the Pull-Lock® fitting.



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# Installation Instructions for Wood Posts (min. 4x4) for Stairs

using RailFX® 262 Series Kit



## Tools Required for Installation

- 5/32" Drill Bit
- 1/4" Drill Bit
- 29/64" Drill Bit
- 3/16" Hex Wrench
- 3" Combo Wrench
- RFXPL-KEY
- Cut Off Kit (mandrel)
- Cut Off Kit (wheel)
- Small Block of Wood
- Cable Gripping Pliers
- Hammer
- Small block of wood

## Cut-off Tool

Used to cut cable flush with the end of the Pull-Lock® fittings, and to cut excess threads off stud-type Receivers. Includes mandrel and two cut-off wheels.

Order **RFX-CUT-OFF KIT**



## A. DRILL POSTS

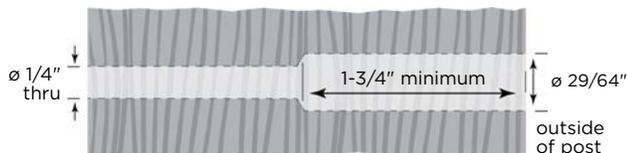
### Hole size into end posts

The Receiver will be the same length as the dimension of the post you are using. The Pull-Lock® fitting would require the use of a Post Protector Tube, ordered separately.

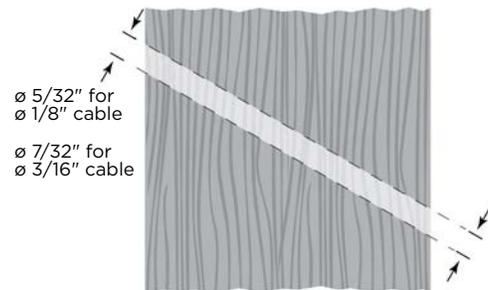
#### For end post using Receiver and Stud



#### For end post using Pull-Lock® and Post Protector Tube



#### Intermediate posts are drilled on the angle

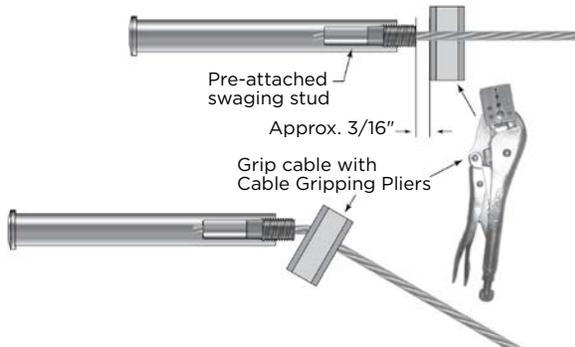


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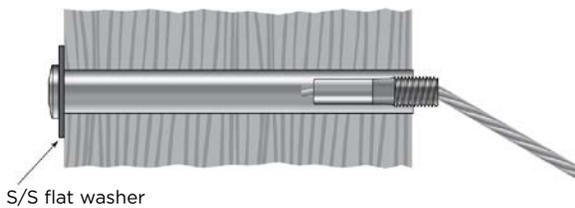


## B. INSTALL TENSIONING TERMINAL

1. Grip the cable with cable gripping pliers approximately 3/16" away from the swaged stud and install Receiver over threads of stud about 5 to 6 turns.



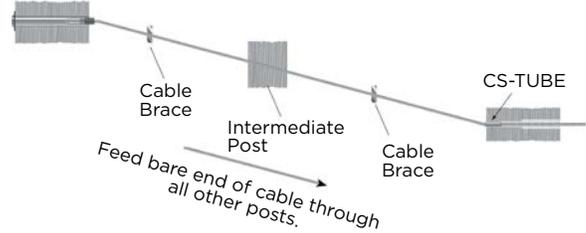
2. Remove stud from Receiver and install Receiver into desired end post (remember to install 7/16SAE S/S flat washer). Reinstall stud into Receiver at least 5 full turns.



## C. FEED CABLE THROUGH INTERMEDIATE POSTS

1. Insert a Post Protector Tube (order separately) into the wood post where the cable angles out of the post for the swageless terminal. Force tube into post so it is flush with post face.

2. Pass bare end of cable through intermediate posts and through the end post where you will be installing the Pull-Lock® fitting.

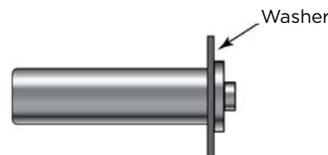


## D. FEED/CRIMP CABLE THROUGH CORNER POSTS

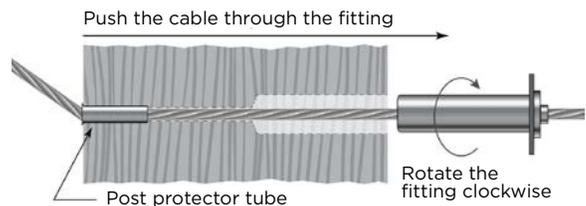
As this section deals with passing cables through corners, which you will not be doing with stairs, please proceed to Section E.

## E. INSTALL SWAGELESS TERMINAL

1. Slip the 7/16SAE S/S flat washer over the body of the Pull-Lock® fitting.



2. Rotate the Pull-Lock® fitting clockwise as you push it onto the cable. If the cable begins to "unravel," you are rotating the fitting in the wrong direction.



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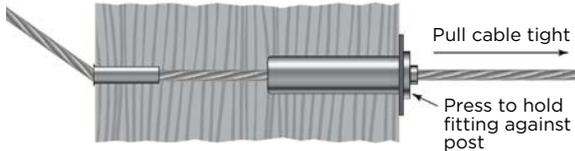


Note: If you have trouble inserting the cable into the fitting, it may be because the locking wedges have become stuck. This is not a defect!

Here's what you can do to "free the wedges"

For Pull-Lock® or Push-Lock® fittings for 1/8" cable, using either a RFXPL-KEY or 1/4" diameter bolt, insert the RFXPL-KEY or bolt into the hole and press until the wedges move freely. Perform the same operation for a 3/16" Pull-Lock® or Push-Lock®, except use a 16d nail or another tool with 1/8" or smaller diameter. Anything larger than what is recommended can actually get stuck inside the fitting - NOT what you want!

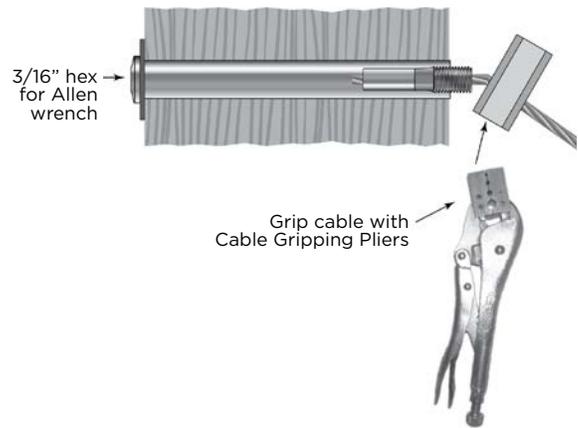
3. Push the Pull-Lock® fitting along the cable and firmly into the hole in your post. Pull on the cable (cable gripping pliers are helpful for this) to create as much tension as possible as you seat the Pull-Lock fitting into the hole.



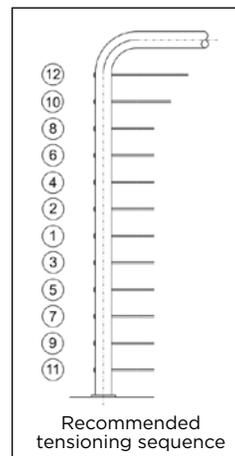
Make sure that the Receiver and stud on the opposite end are still seated in their end-post hole (if not, seat them and repeat the process). The purpose of this is to make the cable as tight as possible prior to increasing tension on the cable by tensioning the Receiver.

## F. TENSION CABLES

1. Move back to the Receiver and stud end of cable and attach cable gripping pliers to the cable as close as is practical to the fittings without contacting the end post. Rotate the Receiver to create desired tension on the cable (you may have to move the cable gripping pliers several times to avoid contact with the end post).



2. Tension all cables in sequence, beginning with the center cables, moving up and down toward the top and bottom. As you tension each cable, give it a sharp pull downward mid-span to help set the wedges, then re-tension as necessary in the same sequence. Be aware that the cable may move as much as 3/16" toward the tensioning terminal as the wedges seat.



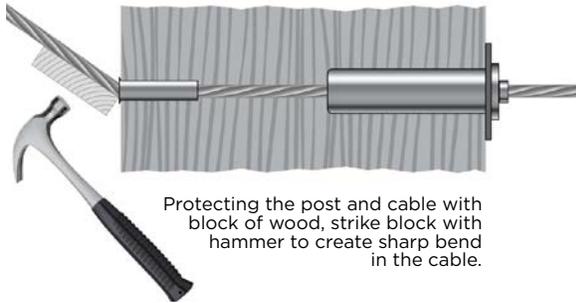
3. Move to Pull-Lock® end of the run and you are going to create a sharp bend in the cable where it exits the Post Protector Tube by placing a block of wood (for protection of the post) on the cable next to the tube at the face of the post and striking it with a hammer. This will create the sharp bend we are looking for. If tension has diminished slightly as a result of the bending of the cable, re-tension the Receiver as described back up to desired amount, making



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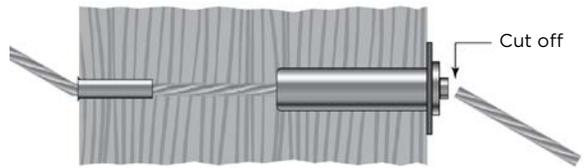


sure to prevent rotation of the cable by gripping it with cable gripping pliers while rotating Receiver.



## G. TRIM EXCESS CABLE

1. Cut the cable flush with the hole in the back of the fitting using a cut-off wheel.



2. Twist the cap onto the lip of the Pull-Lock® fitting.

