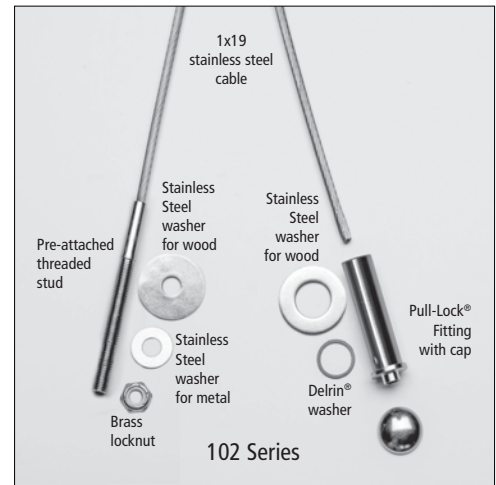
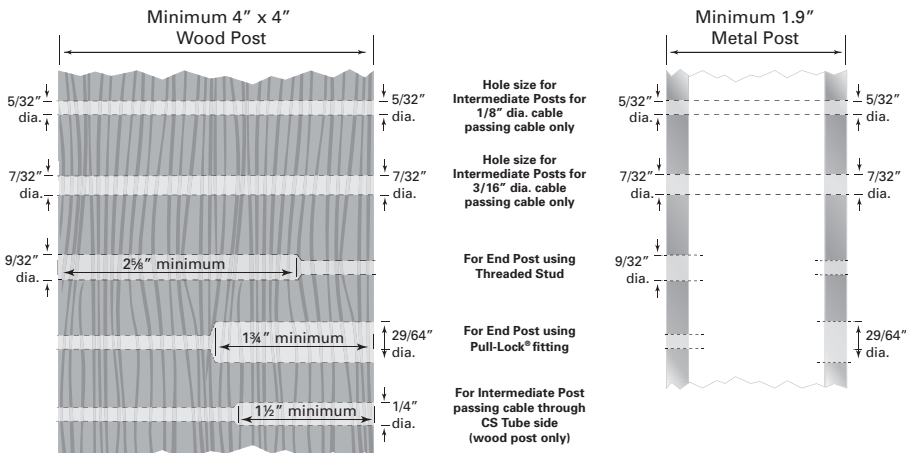


Kit 102 Series Installation Instructions for Wood or Metal Posts on Level Runs

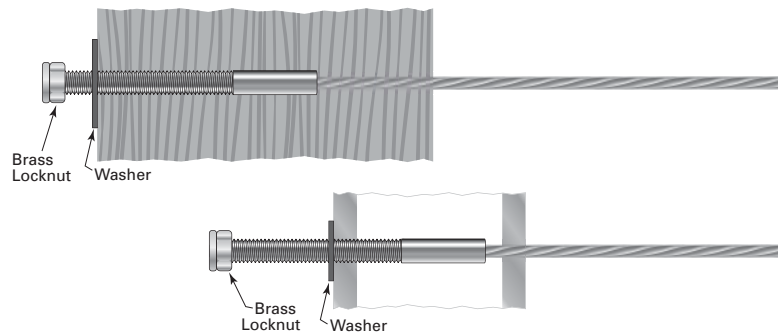
A. Drill Posts

Hole size for 1/8" or 3/16" dia. cable installation



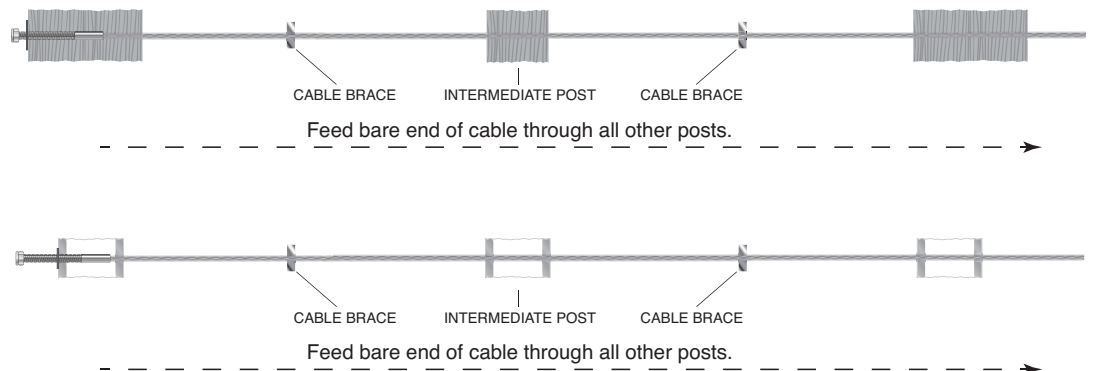
B. Install Tensioning Terminal

1. Install the Threaded Stud end first. Feed the cable and stud through the end post. Slide the stainless steel washer (smaller for metal post, larger for wood post) onto the Threaded Stud and start the brass locknut onto the threads as far as possible by hand.



C. Feed Cable through Intermediate Posts

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



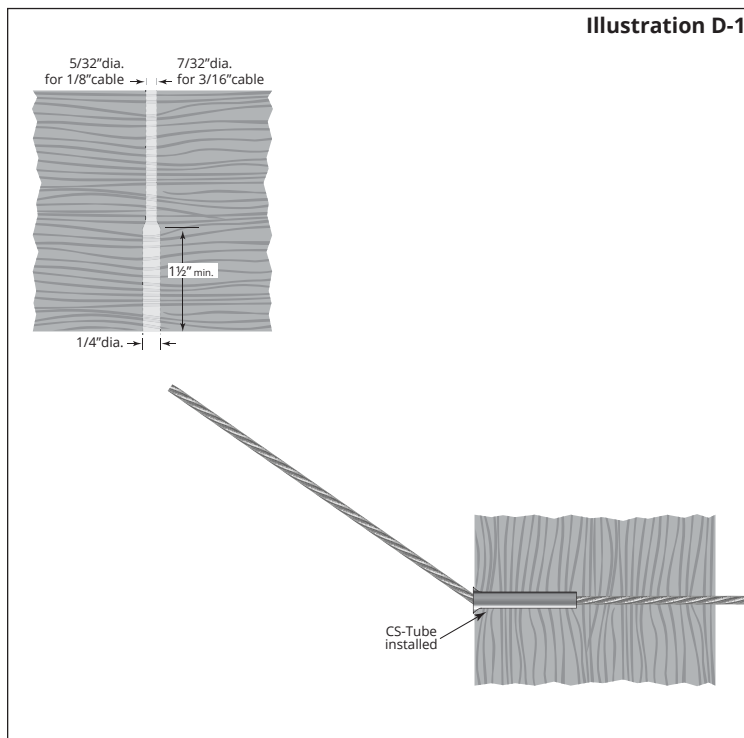
D. Feed/Crimp Cable through Corner Posts

When passing cable railing through a corner, do not bend the cable past 45° at any time.

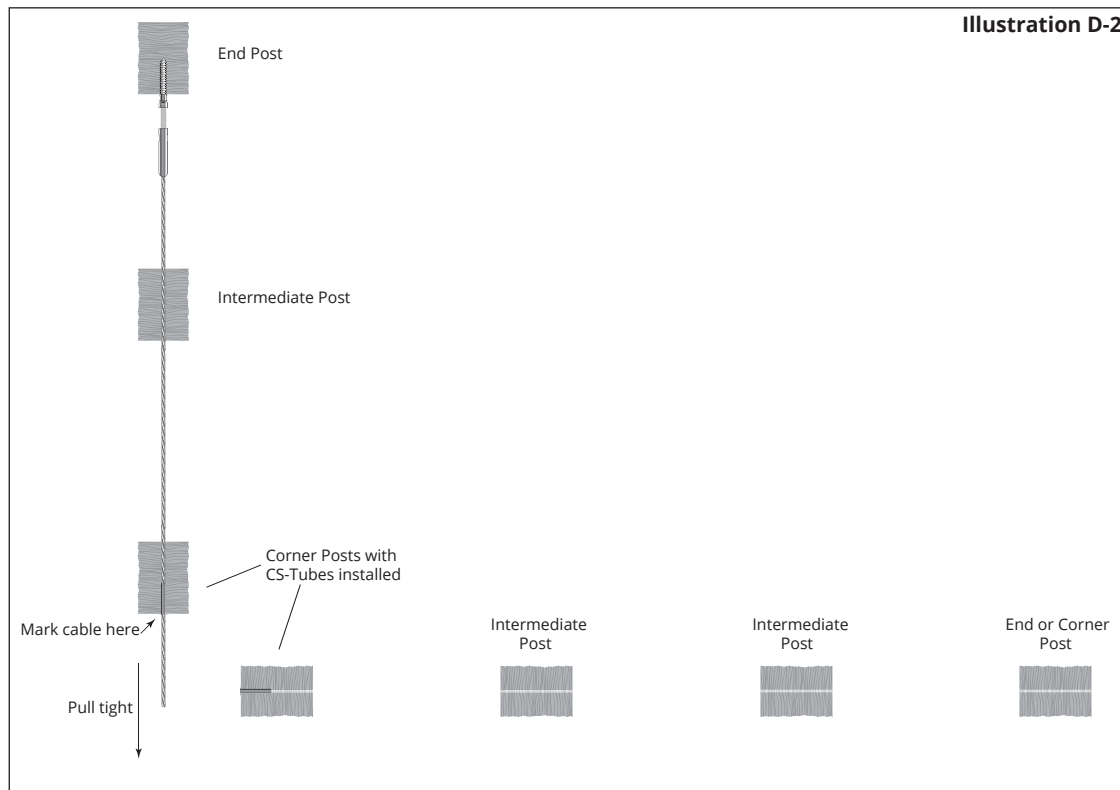
If turning 90°, a 2-step turn using a double corner post configuration is required, as illustrated. For wood frame cable runs with up to 90° of turn, kits with single tensioners are sufficient. If going through corners totaling more than 90°, you will want to use a kit with tensioners at both ends.

Corners require two posts because the cable itself, being rigid, will not cooperate in bending cleanly through a single post. When you go through a corner post, you will need to prevent the cable from slicing into the wood as it exits the post on an angle by using a Post Protector Tube.

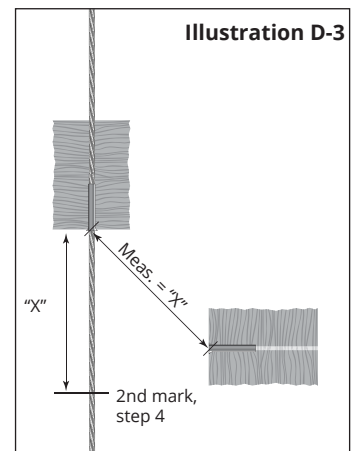
1. Insert a Post Protector Tube (order separately from Accessories) into all wood posts where the cable angles out of the post. Drill 1/4" diameter holes 1-1/2" deep into the face of the post where each cable angles out of the post. Force tube into post so it is flush with post face. (Illustration D-1)



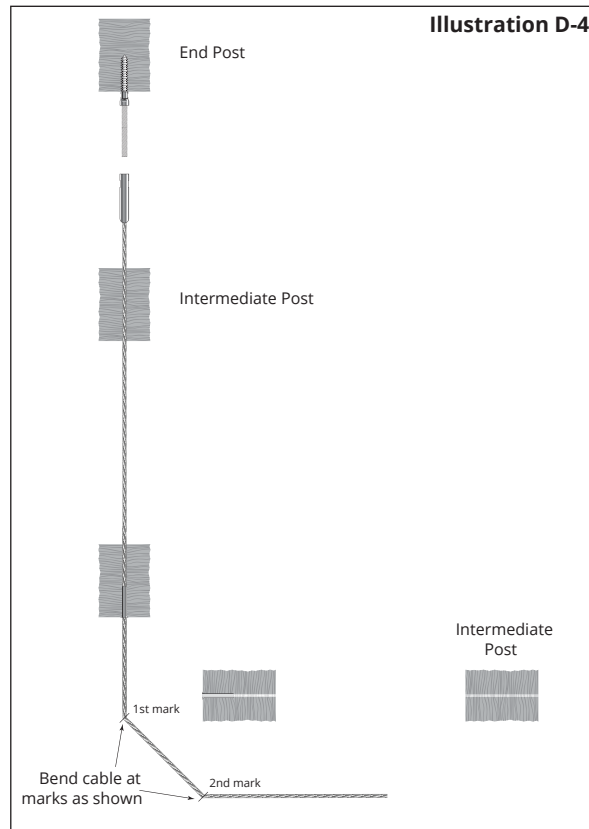
2. As you feed the bare end of your cable through your intermediate posts (per Section C in your installation instructions), stop after you feed it through the first of your two corner posts.
3. Mark the cable at the point where it exits the Post Protector Tube at the face of the first post. (Illustration D-2)



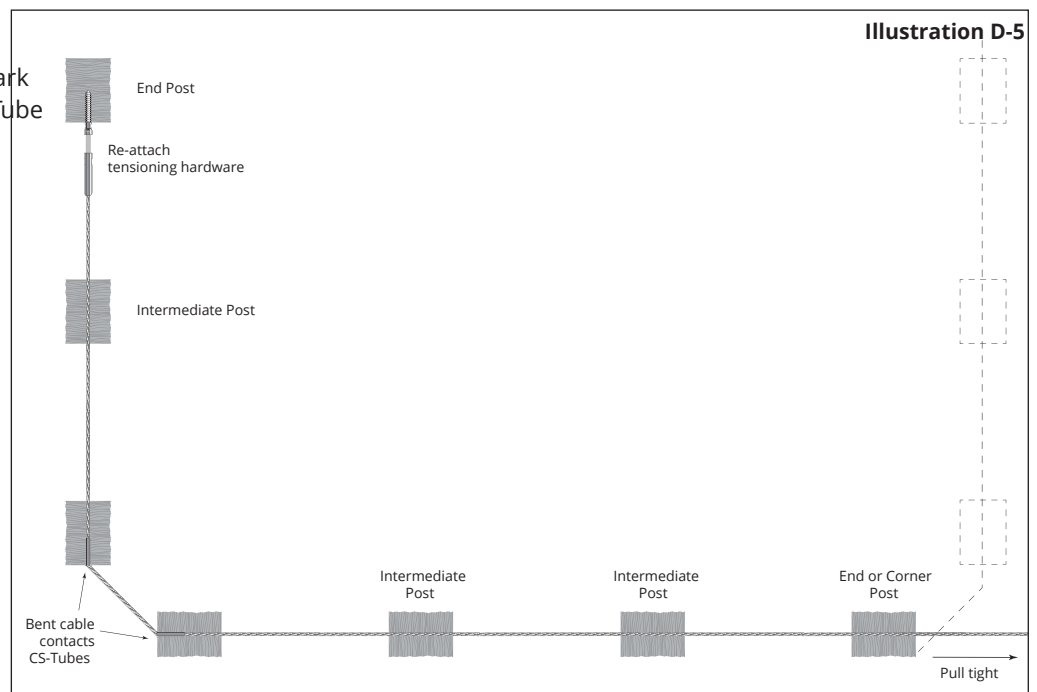
4. Take a measurement in a straight line between the installed Post Protector Tubes on adjacent posts. Make a second mark on the cable that is the same distance away from the first mark as the measurement that you have just taken. (Illustration D-3)



5. Remove the stud or the Adjust-A-Body from the tensioning terminal end that was installed in Section B of your kit instructions. This will make it possible to pull the first mark away from the face of the post so that you can access the mark for bending the cable. (Illustration D-4)



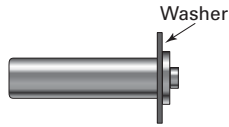
6. Bend the cable in both locations that you have marked to approximately 45° (in the same plane). Use a tool such as Ultra-tec Cable Gripping Pliers to help you make "sharp" bends in your cables at the marked locations. (Illustration D-4)
7. Re-attach the tensioning terminal such that the first mark is at the face of the post with the Post Protector Tube. Feed the bare end of the cable through the second post and continue to feed the cable through all other intermediate posts and/or another corner section. Pull tight until the second mark contacts the Post Protector Tube on the second post. (Illustration D-5)



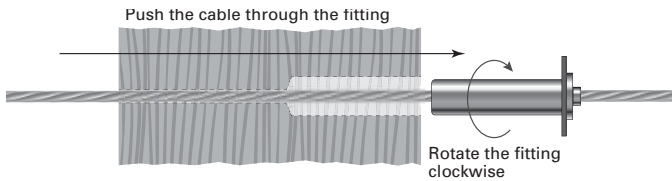
8. When the bare end of the cable has been passed through all remaining intermediate posts (if another 2-post corner is encountered, repeat Steps 1-7) proceed to Section E of the installation instructions for your kit application.

E. Install Swageless Terminal

1. Slip the appropriate washer over the body of the Pull-Lock® fitting (Delrin® for metal post, stainless steel for wood post).

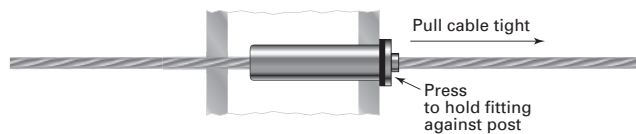


2. Rotate the Pull-Lock® fitting clockwise as you push it onto the cable. If the cable begins to “unravel,” you are rotating the fitting in the wrong direction.

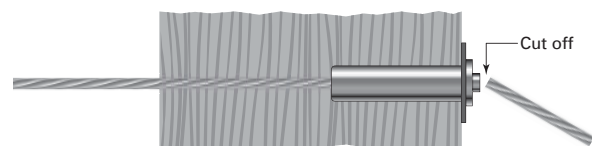


Note: If you have trouble inserting the cable into the fitting, it may be because the locking wedges have become stuck. This is not a defect! Here's what you can do to “free the wedges” — For Pull-Lock® or Push-Lock® fittings for 1/8" cable, using either a PL-KEY or 1/4" diameter bolt, insert the PL-KEY 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.



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

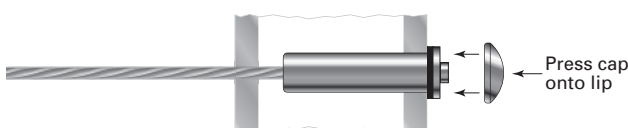


Cut-off Tool

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 **CUT-OFF KIT**

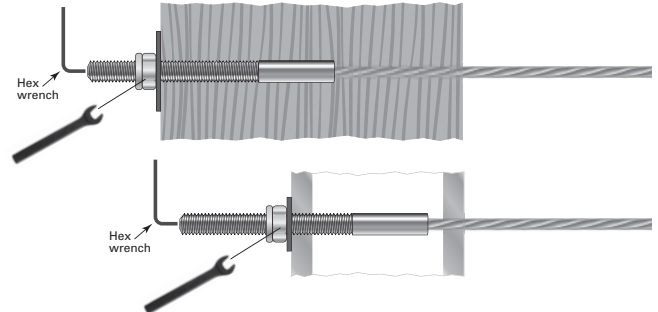


5. Press the cap onto the lip of the Pull-Lock® fitting.

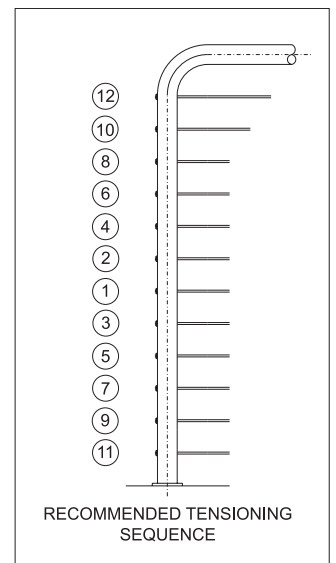


F. Tension Cables

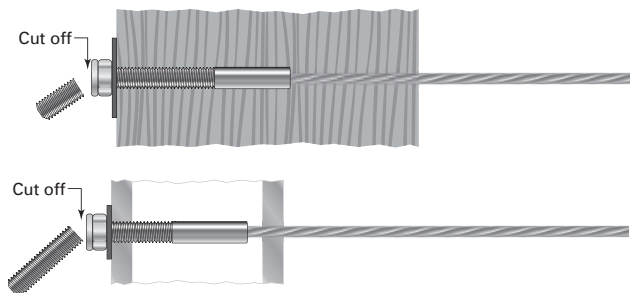
1. Return to the Threaded Stud end post. Insert an 1/8" hex wrench into broached opening on the tip of the stud. Tighten the locknut with a 7/16" wrench while holding the hex wrench to prevent the stud from turning.



2. Tension all cables to desired amount 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.



3. When all of the cables are tight, cut off any exposed thread as near to the locknut as possible by using a cut-off wheel or hack saw.



4. If you have purchased the optional nut cap, press the cap over the locknut.

