

1/8" Stainless Steel Cable Assemblies to Enhance Any Railing *and* Any View!

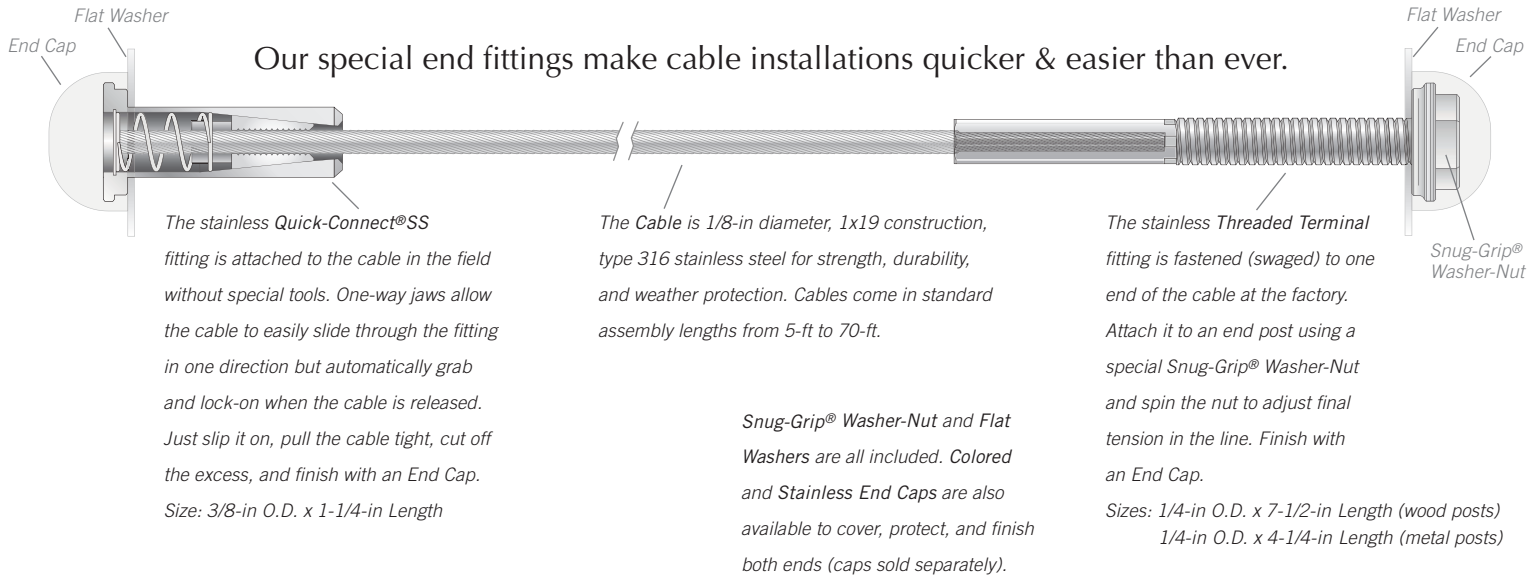
CABLE·RAIL[®]
by feeney[®]

Standard Cable
Assemblies



feeney[®] makes it easy

Easy-to-install, prefabricated cable assemblies are an attractive, budget-friendly, and low-maintenance alternative to commonly used metal and wood picket infill. Assemblies use 1/8-in diameter high-strength, weather-tough type 316 stainless steel cable and come in a wide range of standard lengths that can be quickly trimmed to size in the field. Each assembly includes special, easy-to-use Threaded Terminal and Quick-Connect®SS end fittings that remain concealed in your end posts. The result: an extremely durable, virtually invisible railing infill that leaves the view open and unimpaired.



CableRail Assemblies are designed to be used on your own wood or metal frames in either interior or exterior settings. Also see our DesignRail® Aluminum Railing Systems.



Cable Assemblies & Accessories

Everything you need for your basic cable project is listed on this page. Choose your assembly lengths, a preferred style of end cap, accessory items, and you're good to go.

Each assembly includes the selected length of 1/8-in diameter type 316 stainless steel cable with a Threaded Terminal fitting pre-attached to one end, one stainless steel Quick-Connect®SS fitting, two flat washers, and one stainless steel Snug-Grip® Washer Nut. (Threaded Terminal Fittings are 7-1/2-in for wood and 4-1/4-in for metal posts)

Assembly Lengths	With 7-1/2" Terminal for Wood Posts	With 4-1/4" Terminal for Metal Posts
5-ft	#6305-pkg	#6205-pkg
10-ft	#6310-pkg	#6210-pkg
15-ft	#6315-pkg	#6215-pkg
20-ft	#6320-pkg	#6220-pkg
25-ft	#6325-pkg	#6225-pkg
30-ft	#6330-pkg	#6230-pkg
40-ft	#6340-pkg	#6240-pkg
50-ft	#6350-pkg	#6250-pkg

Note: Assemblies with longer thread lengths and longer cable lengths are also available as special order items.

Select a preferred end cap style to cover, protect, and finish each end. End caps sold separately.

Polyethylene: five colors to choose from.



Black White Gray Brown Bronze

COLORED END CAPS (POLYETHYLENE)

Sold 10 per package.

#7071-pkg Black, 3/4-in OD x 3/8-in H

#7072-pkg White, 3/4-in OD x 3/8-in H

#7073-pkg Brown, 3/4-in OD x 3/8-in H

#7074-pkg Gray, 3/4-in OD x 3/8-in H

#7077-pkg Bronze, 3/4-in OD x 3/8-in H

Stainless steel: three style options.



Dome Crown Chamfer

STAINLESS END CAPS

Sold 4 per package.

#3372-pkg Dome Style, 3/4-in OD x 3/8-in H

#3373-pkg Crown Style, 3/4-in OD x 3/8-in H

#3374-pkg Chamfer Style, 3/4-in OD x 3/8-in H

STAINLESS PROTECTOR SLEEVES

(wood posts only) For protecting corner and stairway transition posts from cable abrasion. Sold 10 per package

#3210-pkg 1/4-in OD x 7/8-in long, (fits 1/4-in diameter drill holes)

STAINLESS BEVELED WASHERS

For providing a flat bearing surface when attaching fittings at angled stair terminations. Sold 4 per package.

#3792-pkg 3/4-in OD x 3/8-in ID (Quick-Connect®SS ends)

#3799-pkg 3/4-in OD x 9/32-in ID (Threaded Terminal ends)

CABLE CUTTERS

For shearing excess cable. Sold 1 per package.

#2972-pkg 8-in long, coated handles, hardened jaws

FEENEY TENSION GAUGE

Easy to use tool for checking cable tension. Sold 1 per package.

#6004-pkg Designed for 1/8-in, 3/16-in & 1/4-in CableRail cable.

CABLERAIL TENSIONING TOOL

Easy to use tool for tightening cables. Works on Quick-Connect®SS to efficiently pull cables through the fitting and maximize cable tension on long runs.

#6005-pkg For quickly tensioning cables

#5071 Adapter for 3/16-in and 1/4-in cable

CABLE LACING NEEDLE

For quickly lacing cable ends through posts without snagging. Sold 1 per package.

#3221-pkg 4-1/2-in long, reusable

NEW!

FEENEY STEEL RENEWAL™ + STEEL PROTECT™

This combination pack puts together 2 products that make it easier for customers to clean and maintain stainless steel surfaces, including CableRail!

#5064-pkg Feeney SteelRenewal™ + SteelProtect™ (100 ml Bottle, each)

QUICK-CONNECT® RELEASE TOOL

For temporarily releasing the jaws of the Quick-Connect®SS fitting to remove or adjust the position. Sold 1 per package.

#3128-pkg 1/2-in OD x 1-1/8-in long, reusable

FEENEY INTERMEDIATE PICKETS

Slender, low-maintenance, and time-saving vertical spacer option for wood railing frames. Made from powder coated aluminum and pre-drilled at 3-in spacing for CableRail cables. Slotted holes on the stair pickets will accommodate a stairway slope of between 20 and 45 degrees. Can be trimmed to fit railings up to 42-in high. Includes all base plates and attachment screws. Silver, Black, or White color options.

#7648 SLV-pkg Level rail picket, 3/4-in square x 44-in long

#7649 SLV-pkg Stair rail picket, 3/4-in square x 46-in long

#7648 BLK-pkg Level rail picket, 3/4-in square x 44-in long

#7649 BLK-pkg Stair rail picket, 3/4-in square x 46-in long

#7648 WHT-pkg Level rail picket, 3/4-in square x 44-in long

#7649 WHT-pkg Stair rail picket, 3/4-in square x 46-in long



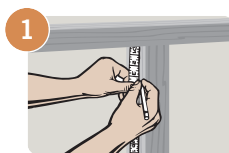
AVAILABLE IN
Silver
Black
White
3
COLORS

Step by Step Installation

Installing the Standard 1/8-in CableRail System is easy. Just follow these simple steps:

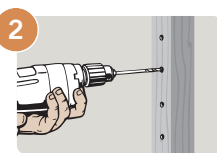
TOOL CHECKLIST

- Safety Glasses
- Work Gloves
- Pencil
- Measuring Tape
- Electric Drill
- 1/4-in, 5/16-in & 3/8-in Drill Bits
- Hammer
- Cable Cutters
- Vice-Grip Pliers
- 7/16-in Wrench
- Electric Grinder with Grinding Disk & Cut-off Disk
- Hacksaw
- Cable Lacing Needle
- Feeney Tension Gauge



Mark drill hole locations on posts.

To minimize cable deflection, space cables no more than 3-in apart and have a post or vertical spacer at least every 3-ft (see Basic Frame Design section).



Drill 5/16-in holes in one end post for the Threaded Terminal fitting, 3/8-in holes in the other end post for the Quick-Connect[®] fitting, and 1/4-in holes in all other posts.

If desired the Quick-Connect[®] posts may be through-drilled with a 1/4-in bit and then counter-bored to 1-1/2-in deep with a 3/8-in bit to countersink the fitting.



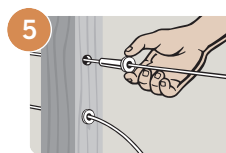
(Wood Posts Only)
Insert Protector Sleeves at necessary locations.
Tap in until flush.

See Special Parts section below.



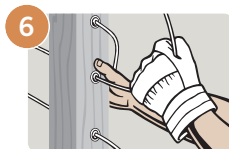
Insert the Threaded Terminal through the Terminal end post and attach a flat washer and Snug-Grip[®] Washer-Nut. Spin nut so the threads engage (2-3 full turns).

For angled terminations, use Beveled Washers. See Special Parts section below.

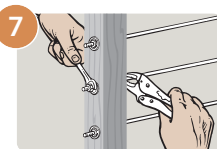


Lace the free end of the cable through the intermediate posts and Quick-Connect[®] end post. Slide on a flat washer and Quick-Connect[®] fitting until they rest against the face of the post.

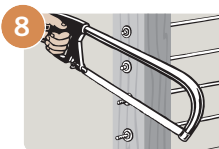
Use a Lacing Needle if snagging becomes a problem.



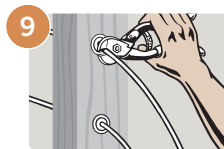
Hold the Quick-Connect[®] fitting with one hand and pull the cable tight with the other. The fitting automatically locks when you release the cable. CableRail Tensioning Tool #6005-pkg may be used.



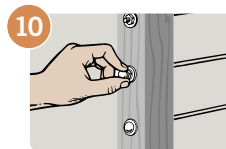
Tension the cables by holding the Threaded Terminal shaft with Vise-Grip pliers and spinning the Snug-Grip[®] Washer-Nuts with a wrench. A Feeney Tension Gauge may be used to check uniform tension. *See tensioning sequence diagram at left.*



Use hacksaw, reciprocating saw, or electric grinder with cut-off disk to saw off the excess threads as close to the Snug-Grip[®] Washer-Nut as possible. Touch-up with electric grinder. The special Snug-Grip[®] threads prevent the nut from loosening.

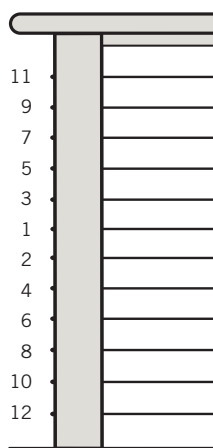


Use cable cutters or electric grinder with cut-off disk to trim the excess cable. Grind flush the exposed cable ends with an electric grinder.



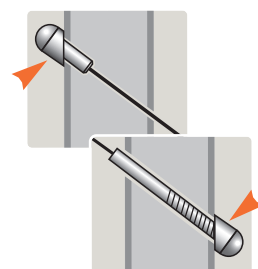
Snap on end caps over the exposed Quick-Connect[®] fittings and the Snug-Grip[®] Washer-Nuts. You're done.

Recommended cable tensioning sequence



Important Note: If using electric or pneumatic tools to tighten the Washer Nuts, spin the nuts very slowly otherwise they will heat-up causing the threads to seize.

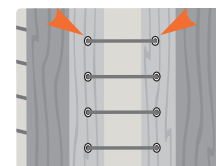
Special parts for special situations



Use Beveled Washers for stair termination posts with angled holes. Available for both Threaded Terminal & Quick-Connect[®] fittings. Always install the Quick-Connect[®] fitting in top stair post to prevent rain water from running down the cable into the fitting.

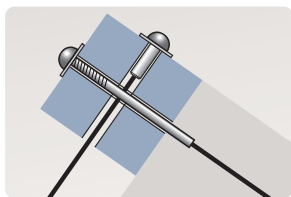


Protector Sleeves prevent abrasion at angled transitions on wood posts (e.g. stair transition posts or outside faces of double corner posts). Fits 1/4-in diameter drill holes.

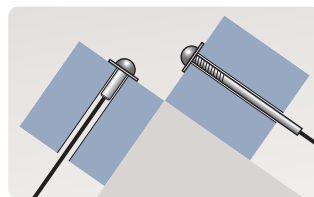


Cables can terminate or run through corner posts

Terminating

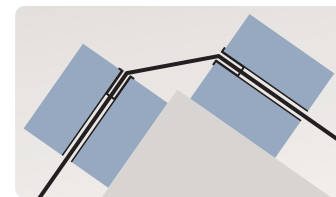


SINGLE WOOD POST
Offset drill holes at least 1/2-in



DOUBLE WOOD POSTS

Continuous



DOUBLE WOOD POSTS

Note: For complete details on metal railing frames, please visit www.feeneyinc.com/cablerail

Wood Frame Requirements

Frames need to support the tension of properly installed cables.

They need to be designed and built strong enough for the end and corner posts to support a load of approximately 300lbs for each cable. Here are some basic guidelines to help you prepare your wood railing frames for cable infill. For details on metal frames, visit www.feeney-inc.com/cablerail

Minimum Post Sizes

End and Corner Posts: The end and corner posts are the cable termination/transition posts and support the full load of the taut cables; therefore, the minimum recommended size for these critical posts is standard 4x4 wood. Note: softer woods may require larger post sizes, especially with 42-in high railings.

Intermediate Posts: The remaining intermediate posts do not support any tension load since the cables pass straight through, so they can be sized as required for top rail support or for code.



4 X 4 WOOD
3-1/2-in wide, 3-1/2-in thick

IMPORTANT NOTE

Since building codes vary by state, county, and city, following these guidelines may not ensure code compliance in all areas. Please consult with your local building department before starting your cable project.

The Basic Frame Design

Spacing From Walls:

Always set end posts 3-in to 4-in away from the house/wall face to allow access for attaching cable end fittings.

End Posts:

Use minimum 4x4 size wood, and securely bolt or lag to joists or deck structure.

Top Rail:

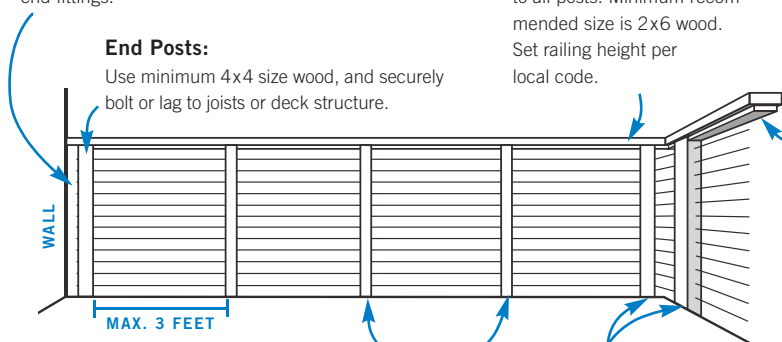
Always include a strong, rigid top rail that is securely fastened to all posts. Minimum recommended size is 2x6 wood. Set railing height per local code.

Cable Spacing:

Maximum 3-in apart.

Wood Blocking

Underneath the top rail attach minimum 1x4 wood blocking between posts to provide additional lateral reinforcement to the posts so that they won't pull out of plumb when the cables are tensioned.



Maximum Post Spacing:

Space all posts and vertical spacers (see below) a maximum of 3-ft apart to minimize any deflection that may occur if the cables are ever forced apart.

Intermediate Posts:

Size all intermediate posts as required for top rail support strength or for code.

Double Corner Posts:

If possible use double corner posts to allow the cable to run continuously through the corners without terminating (also see single corner post option below). Securely bolt or lag posts to joists or deck structure and use minimum 4x4 size wood.

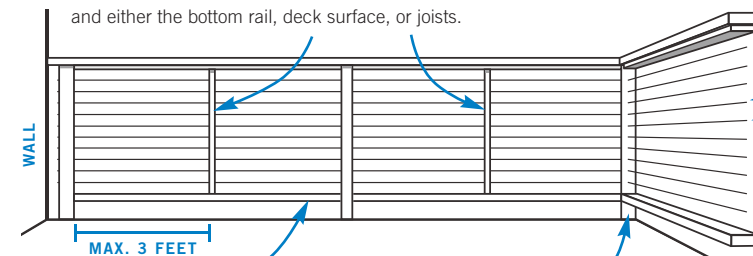
CONSTRUCTION CHECK-LIST

- ☐ Space cables maximum 3-in apart
- ☐ Space posts/verticals maximum 3-ft apart
- ☐ Use minimum 4x4 size wood for all end and corner posts
- ☐ Securely fasten all posts and top rails
- ☐ Carefully plan all termination and corner posts for proper clearance, positioning, and maximum cable run lengths
- ☐ Straight runs of cable (no turns/dips) should not exceed 70-ft. Runs with corner bends (2 corner bends at most) should not exceed 40-ft

And Some Other Options

Vertical Spacers (OPTIONAL):

Slender spacers may be used instead of some of the larger intermediate posts to achieve a more open railing design. These are non-structural members and are only intended to maintain cable spacing and minimize deflection. Typical examples are 2x2-in wood strips, copper tubing, or Feeney Intermediate Pickets (see accessories). Attach them to the top rail and either the bottom rail, deck surface, or joists.



Bottom Rails (OPTIONAL):

Recommend minimum 2x4 size wood spaced no more than 4-in (or as per code) above the deck surface.

Single Corner Post (OPTIONAL):

Cables must be terminated at the corners if single posts are used. Use minimum 4x4 size wood and securely bolt or lag to joists or deck structure. Be sure to offset the cable drill holes by at least 1/2-in to allow internal clearance for the cable fittings.

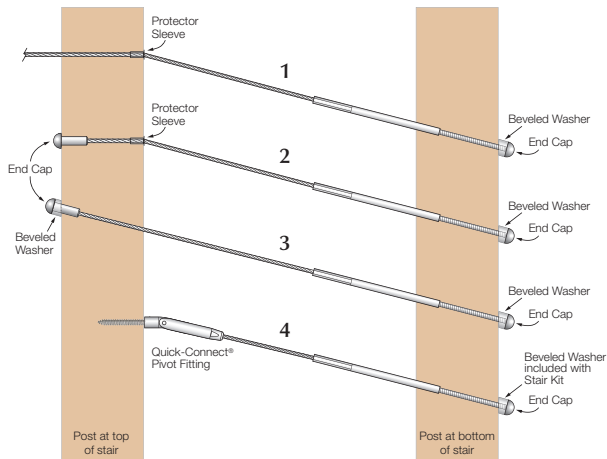
Cable Spacing:
Maximum 3-in apart.

Attractive ■ Versatile ■ Durable



How to Handle Stairs

Four solutions for stair installations using CableRail Assemblies



Option 1: Standard Assembly with cable bending and continuing.

Option 2: Standard Assembly with cable bending and terminating.

Option 3: Standard Assembly with angled holes and beveled washers on both ends.

Option 4: New 20-ft CableRail Stair Assembly #6520-pkg.



NEW!

CABLERAIL STAIR ASSEMBLY
#6520 -pkg (All Stainless Steel)

- For wood posts only
- Typically used where there is little or no access to backside of top stair post/wall

Each assembly includes 20-ft of 1/8-in stainless steel cable with a 7-1/2-in Threaded Terminal pre-attached to one end, one Quick-Connect® Pivot Fitting, Snug-Grip® Washer Nut, one 3/4-in OD x 9/32-in Beveled Washer, one 1" OD x 3/8-in ID Flat Washer

feeney[®] *makes it easy*

FEENEY, INC. - OAKLAND, CALIFORNIA
WWW.FEENEYINC.COM/CABLERAIL

AVAILABLE AT:

CHECK THE CABLE-RAIL ADVANTAGES

- Attractive, affordable, and very low maintenance.
- Invisible appearance will not impair views.
- Made from strong and weather-tough type 316 stainless steel cable.
- Can be used on new or existing wood or metal railing frames.
- Simple, fast, do-it-yourself installation using prefabricated assemblies.
- Special easy-to-use fittings are hidden in the end posts.
- Made from over 70% recycled materials.
- Versatile uses: railings, trellises, fences, exterior, interior, residential, commercial.

10 YEAR WARRANTY

Feeney, Inc. warrants that all *CableRail* stainless steel cable and connectors shall be free from defects in material and workmanship under normal use, conditions, installation, and maintenance in accordance with product specifications for ten years from date of purchase. The complete text of this warranty is available upon request.

CABLE ASSEMBLY CARE & MAINTENANCE

The protective chromium oxide film on the surface of stainless steel gives it superior corrosion resistance. Properly maintained stainless steel provides excellent luster, strength, and durability. In most applications stainless steel will not rust or stain even after many years of service, but it is NOT rust or stain proof. When stainless comes in contact with chloride salts, sulfides, or other rusting metals, it can discolor or even rust and corrode. With proper care and maintenance, however, stainless steel can remain beautiful and functional for years to come.

- Clean stainless with soap and warm water. Never clean with mineral acids or bleaches.
- Always removes stain or rust spots as soon as possible with a cleaner such as Feeney SteelRenewal™.
- Never use coarse abrasives like sandpaper or steel wool on stainless. Use synthetic Scotch pads instead.
- Use a protectant such as Feeney SteelProtect™ regularly to help prevent against staining and corrosion.
- Never leave stainless in contact with iron, steel, or other metals. This can cause rust spots or corrosion.
- Periodically inspect cable assemblies for proper tension and re-tension as necessary. This is important.

DETERMINING WHAT YOU'LL NEED

1. Carefully Review: Read all of the product description, installation instruction, and frame recommendation pages in this brochure. For metal railing frame details, visit www.feeneyinc.com/cablerail

2. Section Frames: Divide your railing frame into sections by determining which corner and end posts will be the cable termination posts. Remember that straight runs should not exceed 70-ft and runs with bends (2 corner bends at most) should not exceed 40-ft.

3. Determine Lengths: Measure the outside lengths of each of your sections from step 2 and select the cable assembly lengths that will fit each section. Be sure that the assemblies are at least 1 foot longer than the length of the section.

4. Calculate Quantities: The number of assemblies depends on your railing design. Remembering that each horizontal cable is a separate assembly and that the cables should not be spaced further than 3 inches apart, calculate the quantities needed for each of your assembly lengths.

5. Check Accessories & Tools: Count up all the end caps, protector sleeves, beveled washers, cutters, lacing needles, drills, saws, and abrasive disks you may need (see Tools Check List on the Installation Instruction page).

6. Fill Your Order: Visit your local *CableRail* dealer and pick-up all of your items from the in-store *CableRail* display.