Here are some tips for designing a strong railing frame that uses cable efficiently

SELECT YOUR POST MATERIAL

CableRail infill works on railing frames with wood, metal, or composite-sleeved wood posts in either indoor or outdoor settings.

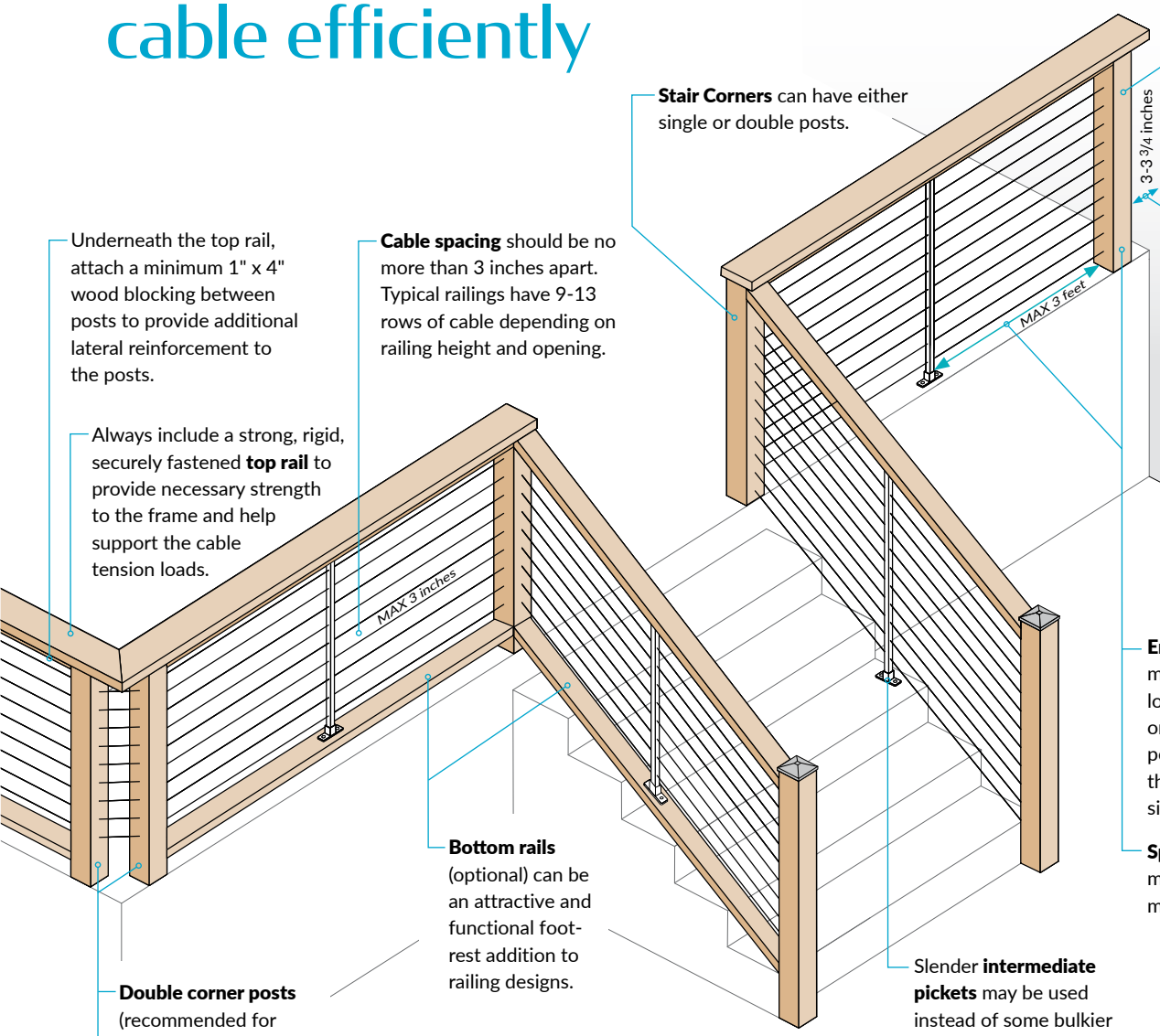
- WOOD
- METAL
- COMPOSITE-SLEEVED WOOD

Stair Corners can have either single or double posts.

Underneath the top rail, attach a minimum 1" x 4" wood blocking between posts to provide additional lateral reinforcement to the posts.

Cable spacing should be no more than 3 inches apart. Typical railings have 9-13 rows of cable depending on railing height and opening.

Always include a strong, rigid, securely fastened **top rail** to provide necessary strength to the frame and help support the cable tension loads.



If possible, set end posts **3 to 3 3/4 inches away from walls** to allow easy access for attaching and tensioning cable fittings.

End and corner posts carry most of the cable tension load (typically 200-300 lbs on each cable), so always use posts that meet or exceed the minimum recommended sizes. See website for details.

Space posts and pickets no more than 3 feet apart to minimize cable deflection.

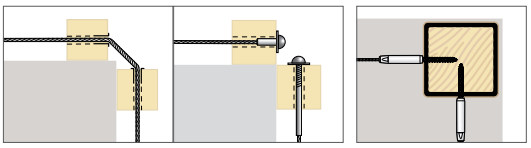
Bottom rails (optional) can be an attractive and functional foot-rest addition to railing designs.

Slender **intermediate pickets** may be used instead of some bulkier intermediate posts to achieve a more open railing design while maintaining proper cable spacing.

Double corner posts (recommended for wood and metal posts only) allow cables to either run continuously through a corner, requiring fewer fittings, or to easily terminate.

Single corner posts (recommended for composite-sleeved wood posts) are also an option and typically require the cables to terminate at the corner.

Recommended Corner Details



WOOD AND METAL POSTS

(see website for additional options)

WOOD AND COMPOSITE-SLEEVED WOOD POSTS

Frame requirements vary depending on the type of frame materials used. Be sure to visit feeneyinc.com/cablerail for complete details.

feeney®

SOLUTION A

CableRail Kits

Kits for Wood Posts (6300 series) have 7½-in Threaded Terminal

Kits for Metal Posts (6200 & 6700 series) have 4¼-in Threaded Terminal

Kits for wood or metal posts

Our original CableRail system is an easy to install option for almost every project. It's packaged and ready to go in preset lengths and can be trimmed as needed in the field. Each kit includes the following:

Selected length of 1/8-in or 3/16-in diameter cable with Threaded Terminal pre-attached to one end

Quick-Connect® Inset Fitting

Pair of flat washers (Stainless for wood posts and nylon for metal)

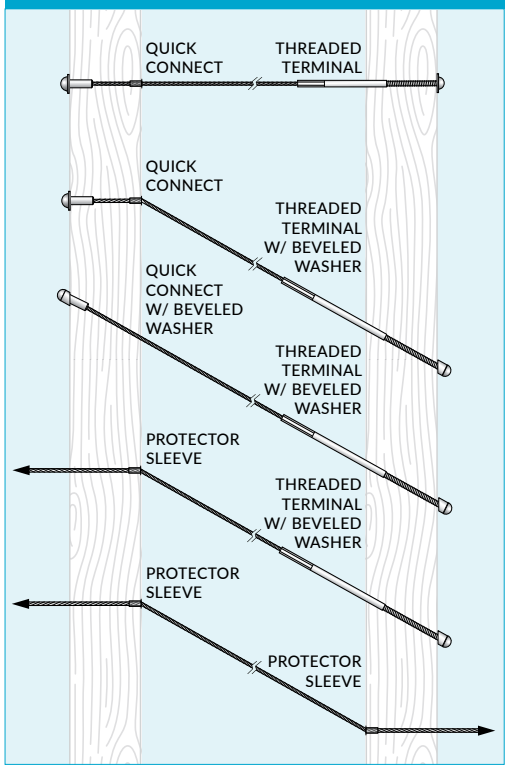
Snug-Grip® Washer Nut

CABLERAIL KITS PART NUMBERS

LENGTH	6300 SERIES (1/8") FOR WOOD POSTS	LIST PRICE	6200 SERIES (1/8") FOR METAL POSTS	LIST PRICE	6700 SERIES (3/16") FOR METAL POSTS	LIST PRICE
5-ft	FNY6305-CS	$48.67	FNY6205-CS	$48.67	FNY6705-CS	$80.57
10-ft	FNY6310-CS	$53.88	FNY6210-CS	$53.88	FNY6710-CS	$87.79
15-ft	FNY6315-CS	$59.07	FNY6215-CS	$59.07	FNY6715-CS	$94.97
20-ft	FNY6320-CS	$64.27	FNY6220-CS	$64.27	FNY6720-CS	$102.17
25-ft	FNY6325-CS	$69.48	FNY6225-CS	$69.48	FNY6725-CS	$109.37
30-ft	FNY6330-CS	$74.67	FNY6230-CS	$74.67	FNY6730-CS	$116.55
40-ft	FNY6340-CS	$85.09	FNY6240-CS	$85.09	FNY6740-CS	$130.95
50-ft	FNY6350-CS	$95.50	FNY6250-CS	$95.50	FNY6750-CS	$145.35

**To create a Stair Assembly Add Beveled Washers FNY3799 to any Kit (+37.92)*

CABLERAIL KITS CONFIGURATIONS



CABLERAIL KITS ACCESSORIES & TOOLS

INTERMEDIATE PICKETS (powder coated aluminum)

Slender, low-maintenance, and time-saving picket option for wood frames up to 42-in high. Pre-drilled at 3-in spacing for 1/8-in cables. Slotted holes on stair pickets will accommodate stair slope between 20° and 45°. Includes base plates and attachment screws. Size 3/4-in sq x 44-in long for level railings and 46-in long for stair railings. Trim to fit.

LEVEL RAILING PICKET
Silver *(FNY7648 SLV-CS)* - **$76.62**
Black *(FNY7648 BLK-CS)* - **$76.62**
White *(FNY7648 WHT-CS)* - **$76.62**

STAIR RAILING PICKET
Silver *(FNY7649 SLV-CS)* - **$99.15**
Black *(FNY7649 BLK-CS)* - **$99.15**
White *(FNY7649 WHT-CS)* - **$99.15**

INTERMEDIATE PICKETS (stainless steel)

5/8" diameter 316 stainless steel tube pre-drilled for 1/8" diameter cable at 3-inch spacing. For use on wood frames with or without a bottom rail. No visible fasteners.

LEVEL SS PICKET
(FNY36L-CS) - **$122.22**

STAIR SS PICKET
(FNYSTR-CS) - **$185.19**

BEVELED WASHERS FOR STAIR ASSEMBLIES (stainless steel)

For providing a flat bearing surface when attaching fittings at angled stair terminations. 32° angle to fit most stair angles
(26° and 37° angles available as special order).

FOR 1/8" FITTINGS
Quick-Connect® *(4 pack)*
(FNY3792-CS) - **$39.02**

FOR 3/16" FITTINGS
Quick-Connect®
(FNY3798-CS) - **$11.88**

FOR 1/8" & 3/16" FITTINGS
Threaded Terminals *(4 pack)*
(FNY3799-CS) - **$39.02**

END CAPS

Decorative option for covering, protecting, and finishing the Quick-Connect® Inset Fittings and Snug-Grip® Washer Nuts.

COLORED POLYETHYLENE
Black *(10 pack)*
(FNY7071-CS) - **$9.23**
Brown *(10 pack)*
(FNY7073-CS) - **$9.23**
Gray *(10 pack)*
(FNY7074-CS) - **$9.23**
Bronze *(10 pack)*
(FNY7077-CS) - **$9.23**
White *(10 pack)*
(FNY7072-CS) - **$9.23**

STAINLESS STEEL
Dome style *(4 pack)*
(FNY3372-CS) - **$34.37**
Crown style *(4 pack)*
(FNY3373-CS) - **$34.37**
Chamfer style *(4 pack)*
(FNY3374-CS) - **$34.57**

QUICK-CONNECT® RELEASE TOOL

For releasing the Quick-Connect® jaws to remove or adjust fitting.

FOR 1/8" CABLE
(FNY3128-CS) - **$10.80**

FOR 3/16" CABLE
(FNY3158-CS) - **$13.25**

WASHERS FOR WOOD POSTS

Stainless washers for wood posts.
(2 per pkg)

(FNYFEWC-PKG) - **$2.40**

PROTECTOR SLEEVES (stainless steel)

For protecting corner and stair transition from cable abrasion. For ¼-in drill hole.
(For wood and composite-sleeved wood posts only.)
(FNY3210-CS) - *(10 pack)* **$17.62**

CABLE CUTTERS

For shearing stainless steel cables.
(FNY2972-CS) - **$84.32**

⚠ *WARNING: This product can expose you to Di(2-ethylhexyl)phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov*

CABLE LACING NEEDLE

For quickly lacing cable ends through posts without snagging.

FOR 1/8" CABLE
(FNY3221-CS) - **$17.23**

FOR 3/16" CABLE
(FNY3222-CS) -**$18.98**

(FNY3221-CURVE-CS) - **$20.43**

feeney®

SOLUTION B

CableRail Conceal Kits

Conceal Kits for wood or metal posts

A low-profile CableRail option with slender end caps and special compact cable fittings that hide inside the end posts for a completely symmetrical look. Each kit includes the following:

1/8-in diameter cable with Conceal Terminal pre-attached to one end

Conceal Quick-Connect® Fitting

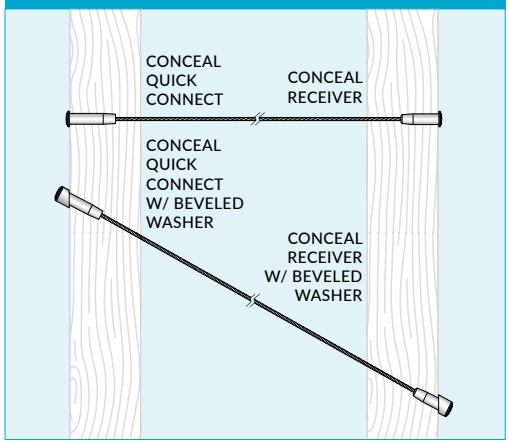
Conceal Receiver

CABLERAIL CONCEAL KITS PART NUMBERS

LENGTH	CONCEAL KITS	LIST PRICE
5-ft	FNY105	$77.70
10-ft	FNY110	$82.77
15-ft	FNY115	$87.82
20-ft	FNY120	$92.84
25-ft	FNY125	$97.90
30-ft	FNY130	$102.95
35-ft	FNY135	$108.00
40-ft	FNY140	$113.07
45-ft	FNY145	$118.09
50-ft	FNY150	$123.15

**To create a Stair Assembly Add Beveled Washers (FNYCBW) to any Kit*

CABLERAIL CONCEAL KITS CONFIGURATIONS



CABLERAIL CONCEAL KITS ACCESSORIES & TOOLS

INTERMEDIATE PICKETS (powder coated aluminum)

Slender, low-maintenance, and time-saving picket option for wood frames up to 42-in high. Pre-drilled at 3-in spacing for 1/8-in cables. Slotted holes on stair pickets will accommodate stair slope between 20° and 45°. Includes base plates and attachment screws. Size 3/4-in sq x 44-in long for level railings and 46-in long for stair railings. Trim to fit.

LEVEL RAILING PICKET
Silver *(FNY7648 SLV-CS)* - **$76.62**
Black *(FNY7648 BLK-CS)* **$76.62**
White *(FNY7648 WHT-CS)* - **$76.62**

STAIR RAILING PICKET
Silver *(FNY7649 SLV-CS)* - **$99.15**
Black *(FNY7649 BLK-CS)* - **$99.15**
White *(FNY7649 WHT-CS)* - **$99.15**

INTERMEDIATE PICKETS (stainless steel)

5/8" diameter 316 stainless steel tube pre-drilled for 1/8" diameter cable at 3-inch spacing. For use on wood frames with or without a bottom rail. No visible fasteners.

LEVEL SS PICKET
(FNY36L-CS) - **$122.22**

STAIR SS PICKET
(FNYSTR-CS) - **$185.19**

CONCEAL CAP REMOVAL TOOL

For removing a conceal end cap.

(FNYCCRT) - **$8.33**

CABLE LACING NEEDLE

For quickly lacing cable ends through posts without snagging.

1/8-in diameter cable
(FNY3221-CS) - **$17.23**

(FNY3221-CURVE-CS) - **$20.43**

CONCEAL END CAP

Available in DesignRail® Colors and Stainless Steel.

(FNYCCP) - **$9.15**

CONCEAL STAR DRIVER

Part of a toolset used to install and tension Conceal Cablerail Kits

(FNYCSDT) - **$21.45**

CONCEAL FLAT WASHER

29/64" X 7/8" OD 316 SS flat washer.

(FNYCWW) - **$2.15**

CONCEAL STAIR BUSHING

(FNYCBS) - **$3.28**

CABLE CUTTERS

For shearing stainless steel cables.

(FNY2972-CS) - **$84.32**

⚠ *WARNING: This product can expose you to Di(2-ethylhexyl)phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov*

CONCEAL TOOL KIT

Includes a Conceal Star Driver, a ½ and 9/16 in Ratcheting Box Wrench, and a 5/32-in T-Handle HexWrench.

(FNYCRC-KIT) - **$76.92**

CONCEAL STAIR BEVELED WASHER (stainless steel)

For providing a flat bearing surface when attaching both Conceal fittings at angled stair terminations. 32° angle to fit most stair angles.

(FNYCBW) - **$13.25**

SOLUTION C

Build Your Own

SELECT FITTINGS TO MATCH YOUR POST MATERIAL

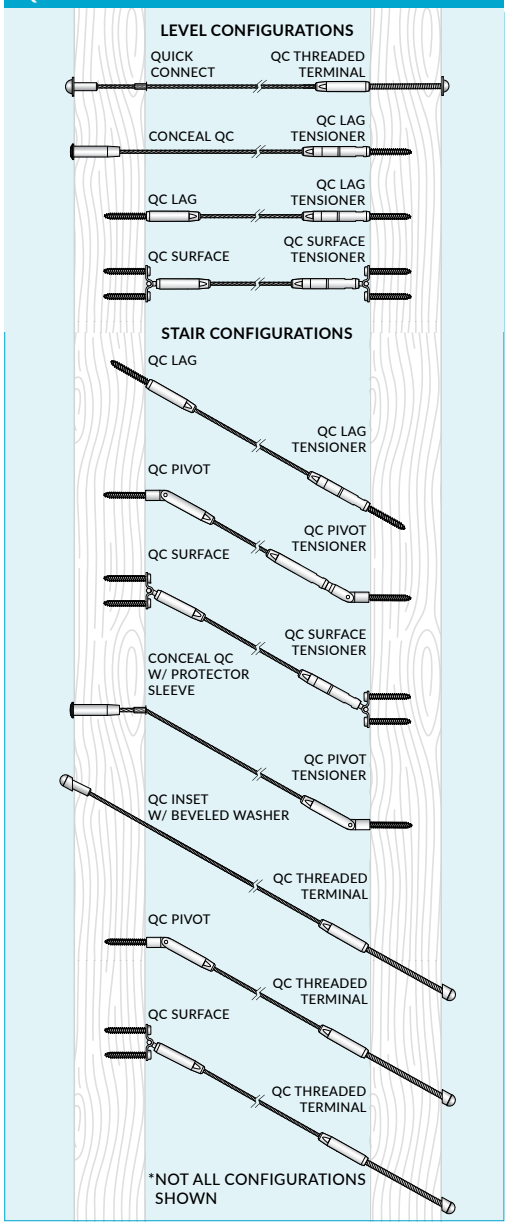
Wood Metal Composite-Sleeved Wood

Bulk CableRail 1/8-in diameter, grade-316 stainless steel cable is available in various lengths for use with CableRail fittings.

BULK CABLE OPTIONS

LENGTH	PART #	PRICE
100-ft	FNY5100	$114.10
250-ft	FNY5250	$285.26

QUICK CONNECT CONFIGURATIONS



QUICK CONNECT PART NUMBERS

QUICK-CONNECT® LAG

(FNY9905DL-PKG) - **$30.12**

Fixed end fitting that screws into the face of a post or wall using the included hanger bolt with lag thread. Includes 2-in bolt for wood posts and 2-½-in bolt for wrapped or composite-sleeved wood posts.

QUICK-CONNECT® LAG TENSIONER

TENSION ADJUSTMENT

(FNY9910DL-CS) - **$54.18**

Lag fitting with a special swiveling body that allows ¾in of take up for cable tensioning. Includes same hanger bolts as Lag.

QUICK-CONNECT® PIVOT

(FNY9915DL-PKG) - **$36.03**

Fixed end fitting that screws into the face of a post or wall using the included hanger bolt with lag thread. 180° pivot range allows for angled stair terminations. Includes 2-in bolt for wood posts and 2-½-in bolt for wrapped or composite-sleeved wood posts.

QUICK-CONNECT® PIVOT TENSIONER

TENSION ADJUSTMENT

(FNY9916DL-PKG)- **$63.17**

Pivot fitting with a special swiveling body that allows ¾in of take up for cable tensioning. Includes same hanger bolts as Pivot.

QUICK-CONNECT® SURFACE MOUNT

(FNY9903W-PKG) - **$41.23**

Fixed end fitting that attaches to the face of a post or wall with the included screws or bolts. 130° pivot range allows for angled stair terminations. Includes 2-in lag screws for wood posts *(½-in bolts for metal posts sold separately).*

QUICK-CONNECT® SURFACE MOUNT TENSIONER

TENSION ADJUSTMENT

(FNY9913W-PKG) - **$57.95**

Surface Mount fitting with a special swiveling body that allows ¾in of take up for cable tensioning. Includes same hanger bolts as Surface Mount.

QUICK-CONNECT® INSET FITTING

(FNY3146W-PKG) - **$27.48**

Features Quick-Connect® one-way locking jaws that allow the cable to easily slide through the fitting in one direction but automatically grab and lock-on after the cable is released.

QUICK-CONNECT® THREADED TERMINAL

TENSION ADJUSTMENT

(FNY9904W-PKG) - **$34.92**

Inserts through a hole drilled in an end post (wood or metal only). The included flat washer and Snug-Grip® Washer Nut secure the fitting and allow cable tension adjustment.

CONCEAL QUICK-CONNECT® FITTING

(FNYCQC-1/8) - **$33.07**

Low profile CableRail option with slender end caps and special compact cable fitting that hides inside the end post.

QUICK CONNECT ACCESSORIES & TOOLS *(for picket options and end caps for FNY3146W-PKG, FNY9904W-PKG and FNYCQC-1/8 see other solutions)*

CABLE CUTTERS

For shearing stainless steel cables.

(FNY2972-CS) - **$84.32**

⚠ *WARNING: This product can expose you to Di(2-ethylhexyl) phthalate (DEHP) which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov*

WRENCH WHEEL

An easy-to-use tool for tensioning Quick-Connect® Tensioner fittings that allows for continuous full rotation without requiring repositioning of wrenches.

(FNY6006-CS) - **$20.30**

HANGER BOLT INSTALLATION TOOL

For easy installation of hanger bolts used for Quick-Connect® Lag and Pivot-style fittings.

(FNY3988-CS) - **$5.43**

QUICK-CONNECT® RELEASE TOOL

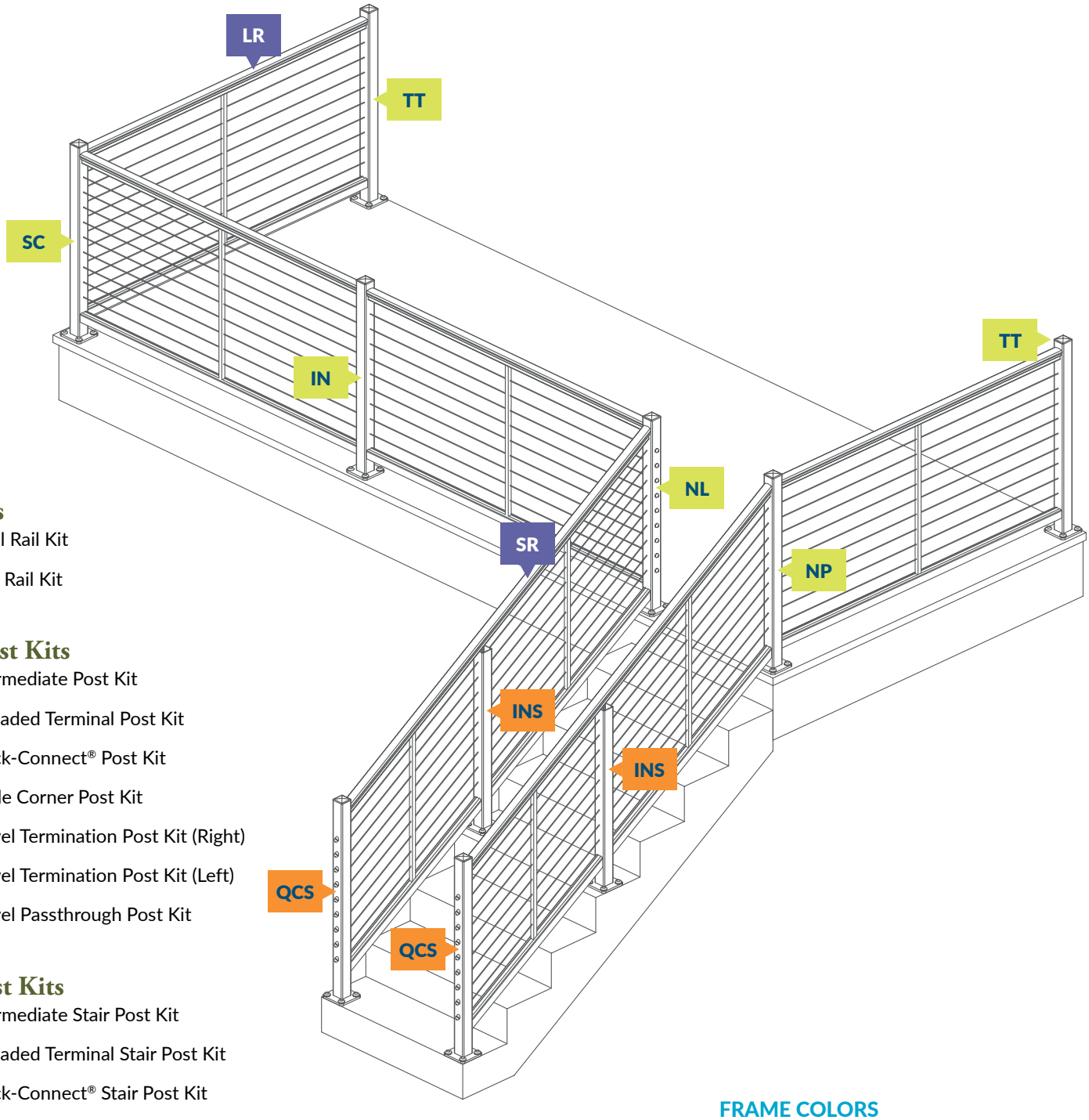
For releasing the Quick-Connect® jaws to remove or adjust fitting.

FOR 1/8" CABLE

(FNY3128-CS) - **$10.80**

Design your own railing

All our rail and post kits feature 6000 series aluminum and AAMA-2604 powder coated finishes for long lasting beauty and durability, and are available for 36-in high railings. Your railing system will require specific quantities and types of kits and parts depending on the configuration of your project.



Rail Kits

- **LR** Level Rail Kit
- **SR** Stair Rail Kit

Level Post Kits

- **IN** Intermediate Post Kit
- **TT** Threaded Terminal Post Kit
- **QC** Quick-Connect® Post Kit
- **SC** Single Corner Post Kit
- **NR** Newel Termination Post Kit (Right)
- **NL** Newel Termination Post Kit (Left)
- **NP** Newel Passthrough Post Kit

Stair Post Kits

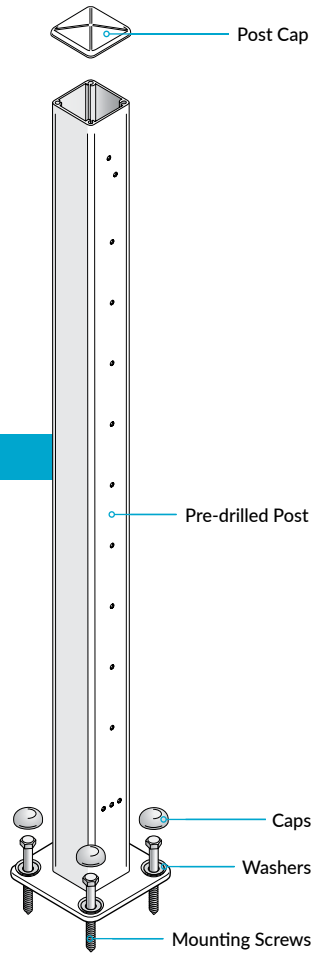
- **INS** Intermediate Stair Post Kit
- **TTS** Threaded Terminal Stair Post Kit
- **QCS** Quick-Connect® Stair Post Kit

FRAME COLORS

TEXTURED BLACK *(TBLK)*

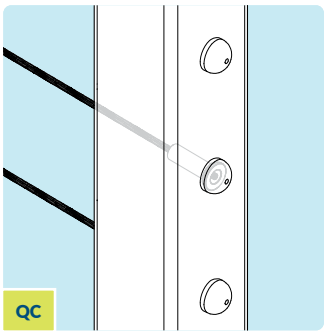
Post Kits

Each Post Kit includes a post with a pre-attached base plate, a post cap, and mounting screws with caps. All posts come pre-drilled for the cable fittings or for cables to pass through, and can accommodate isolation bushings when required. Stair posts are pre-drilled at an angle to accommodate a stair slope of between 29 and 34 degrees. Level Post Kits are available for 36-in high railings with 9 cable holes. Stair Post Kits are available for 36-in stair railings.



DESIGN NOTE:
Use Feeney Base Plate Covers (sold separately) for a more finished look. See back cover for more information.

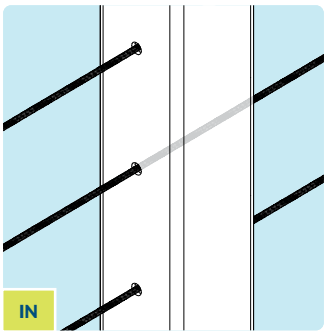
LEVEL POSTS



QUICK-CONNECT® END POST KIT

Pre-drilled for CableRail Quick-Connect® end fittings.

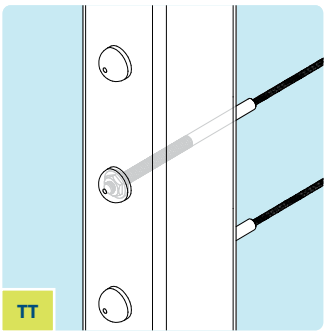
AVAILABLE
36-in *(FNY7613 TBLK-PKG)* - **$240.52**



INTERMEDIATE POST KIT

Pre-drilled for cable to pass through.

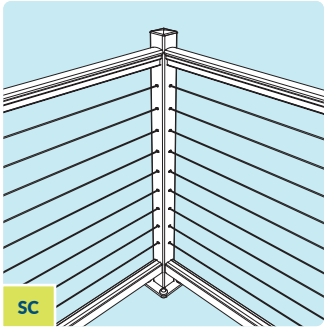
AVAILABLE
36-in *(FNY7611 TBLK-PKG)* - **$240.52**



THREADED TERMINAL END POST KIT

Pre-drilled for CableRail Threaded Terminal end fittings.

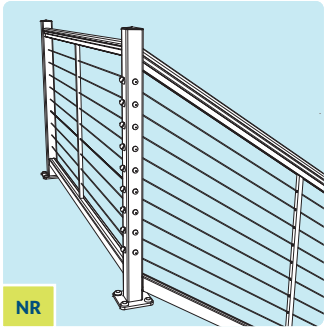
AVAILABLE
36-in *(FNY7612 TBLK-PKG)* - **$240.52**



SINGLE CORNER POST KIT

Specially designed for use at corners. Pre-drilled for CableRail to run continuously through the post.

AVAILABLE
36-in *(FNY7624 TBLK-PKG)* - **$303.34**



NEWEL TERMINATION POST KIT RIGHT

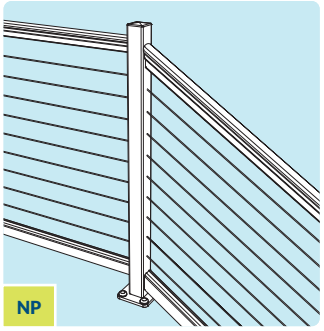
Designed for level to stair railing transitions that have a right 90 degree turn from the stairs. Use Quick-Connect® fitting in level holes and Threaded Terminal fitting in angled holes.

AVAILABLE
36-in *(FNY7598 TBLK-PKG)* - **$303.34**

NEWEL TERMINATION POST KIT LEFT

Designed for level to stair railing transitions that have a left 90 degree turn turn from the stairs. Use Quick-Connect® fitting in level holes and Threaded Terminal fitting in angled holes.

AVAILABLE
36-in *(FNY7599 TBLK-PKG)* - **$303.34**

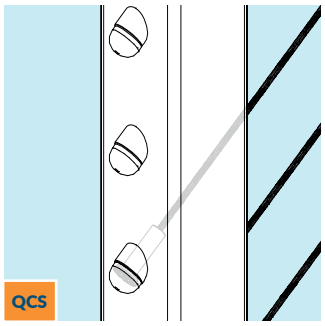


NEWEL PASSTHROUGH POST KIT

Designed for level to stair railing transitions where cables continue through.

AVAILABLE
36-in *(FNY7600 TBLK-PKG)* - **$303.34**

STAIR POSTS



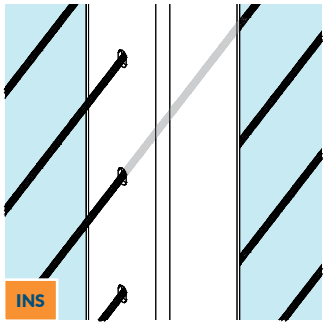
QUICK-CONNECT® STAIR END POST KIT

Pre-drilled for CableRail Quick-Connect® end fittings.

AVAILABLE

36-in *(FNY7615 TBLK-PKG)*

$275.64



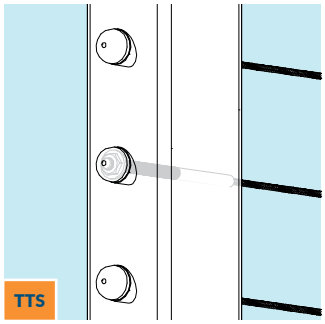
INTERMEDIATE STAIR POST KIT

Pre-drilled for cable to pass through. Includes a post adapter for connecting two Stair Rail Kits.

AVAILABLE

36-in *(FNY7619 TBLK-PKG)*

$281.02



THREADED TERMINAL STAIR END POST KIT

Pre-drilled for CableRail Threaded Terminal end fittings.

AVAILABLE

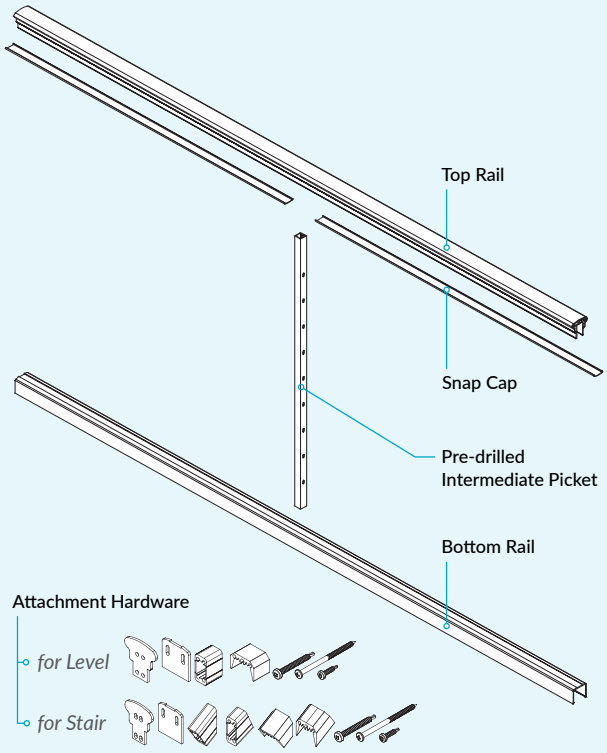
36-in *(FNY7614 TBLK-PKG)*

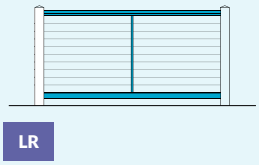
$275.64

Full product details and installation instructions can be found on our website feeneyinc.com/designrail

Rail Kits

Rail Kits contain the rails that run between the posts. Each kit includes a 6-ft top and bottom rail, a pre-drilled intermediate picket, and all necessary attachment hardware. Top and bottom rails can be trimmed to exact length and stair slope in the field. Use Rail Cut Kits if cutting a single Rail Kit for use in multiple smaller sections. Rail Kits can be used with DesignRail® Post Kits or between your own wood posts.



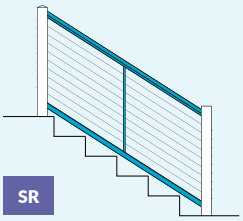


LEVEL RAIL KIT

AVAILABLE

36-in *(FNY7724 TBLK-PKG)*

$317.84



STAIR RAIL KIT

AVAILABLE

36-in *(FNY7610 BLK-PKG)*

$355.04

Tools & Accessories

Find the tools and accessories you need to complete your aluminum railing.

LACING NEEDLE

For quickly lacing cable ends through posts without snagging.

(FNY3221-CS) - **$17.13**

CURVED LACING NEEDLE

For quickly lacing cable ends through Single Corner posts.

(FNY3221-CURVE-PKG) - **$20.43**

TOUCH-UP PAINT

Color matched to help cover small abrasions.

Black Paint Bottle
(FNY7250-BB-CS) - **$29.15**

Textured Black Spray Can
(FNY7734-SC) - **$55.52**

⚠*WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov*

END CAPS

Decorative option for covering, protecting, and finishing the Quick-Connect® Inset Fittings and Snug-Grip® Washer Nuts.

COLORED POLYETHYLENE

Black *(10 pack)*
(FNY7071-CS) - **$9.23**

Brown *(10 pack)*
(FNY7073-CS) - **$9.23**

Gray *(10 pack)*
(FNY7074-CS) - **$9.23**

Bronze *(10 pack)*
(FNY7077-CS) - **$9.23**

White *(10 pack)*
(FNY7072-CS) - **$9.23**

STAINLESS STEEL

Dome style *(4 pack)*
(FNY3372-CS) - **$34.57**

Crown style *(4 pack)*
(FNY3373-CS) - **$34.57**

Chamfer style *(4 pack)*
(FNY3374-CS) - **$34.57**

CABLERAIL KITS

Easy to maintain and easy to install with your aluminum Rail Kit.
Available in various lengths to accommodate any job.

5-ft	*(FNY6205-CS)*	- **$48.67**
10-ft	*(FNY6210-CS)*	- **$53.88**
15-ft	*(FNY6215-CS)*	- **$59.07**
20-ft	*(FNY6220-CS)*	- **$64.27**
25-ft	*(FNY6225-CS)*	- **$69.48**
30-ft	*(FNY6230-CS)*	- **$74.67**
40-ft	*(FNY6240-CS)*	- **$85.09**
50-ft	*(FNY6250-CS)*	- **$95.50**

level

RAIL CUT KITS

Use Rail Cut kits when cutting a single rail kit into multiple parts for smaller railing sections, reducing costs and wasted material.

Level Black *(FNY7622 TBLK-CS)*
$47.33

Stair Black *(FNY7623 TBLK-CS)*
$54.18

BASE PLATE COVERS

These easy to install 2 piece covers conceal the lag screw heads and post base plates to give the railing a beautiful finishing touch. Great for retrofitting existing DesignRail® installations too

(FNY7737 TBLK-PKG) - **$42.40**