HORIZONTAL
CABLE INFILL

KEYLINK

INSTALLATION GUIDE

RECOMMENDED TOOLS

- Safety Glasses
- Tape Measure & Pencil
- Level
- Drill & Bits (1/4", 3/16", 17/32")
- Hammer Drill (if concrete)
- Circular Saw w/ Fine-Tooth Aluminum Cutting Blade
- Rubber Mallet

WHAT'S INCLUDED

- Top Rail & Baluster(s)
- Mounting Brackets & Screws
  (Predrilled Posts, Caps, & Trim packaged separate)
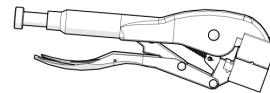- Stainless Steel Cable Roll (*optional*)

Quick Tip

Wear clean, new gloves when handling stainless steel parts to prevent corrosion from oil and dirt.

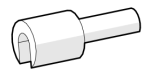*Reference Local Building Codes for Railing and Cable Installation requirements

AVAILABLE FROM KEYLINK
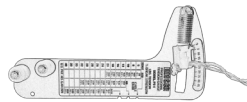
Tension Gauge

Cable Gripping Pliers

Cable Release Key

Cable Cutter

Cable Needle

1 INSTALL THE POSTS & POST TRIM

Space Posts according to *application and Top Rail length. A structural member must be placed between top of Posts to ensure proper cable tensioning. Place leveling plate (highlighted) between Post and mounting surface.

Attach to structural surface using bolts or lags (not included). Partially Tighten prior to levelling. Using 3/16" Allen wrench, turn set screws to level Post. Then fully tighten structural screws.

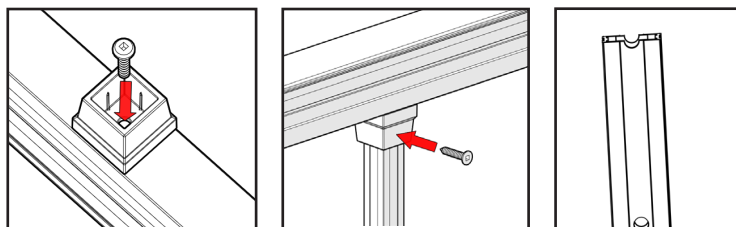■ Note: If installing the Chesapeake top rail option, see addendum

Placing trim
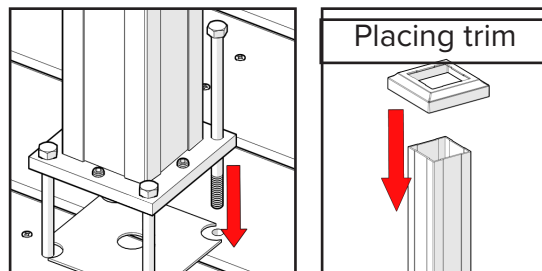
*Check your local building codes to determine structural mounting requirements for Post.

2 ATTACH INTERMEDIATE BALUSTER MOUNT

If needed, cutrail to proper length.

Attach a Baluster Mount (circled) centered on the bottom surface of the Top Rail and another to the deck, or bottom rail, aligned with the baluster mount on the Top Rail. Fasten the Baluster to the Mount.
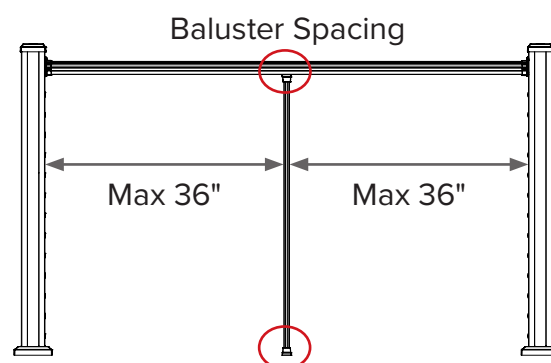
Fasten the Baluster to the Mount.

Note: Top of Baluster

Baluster Spacing

Max 36"   Max 36"

Balusters should be spaced evenly and no more than 36" apart

⊘ **Cutting Tip**
Be sure to use a fine-tooth blade approved for cutting aluminum and rest rails on a piece of non-abrasive material to protect from scratches.
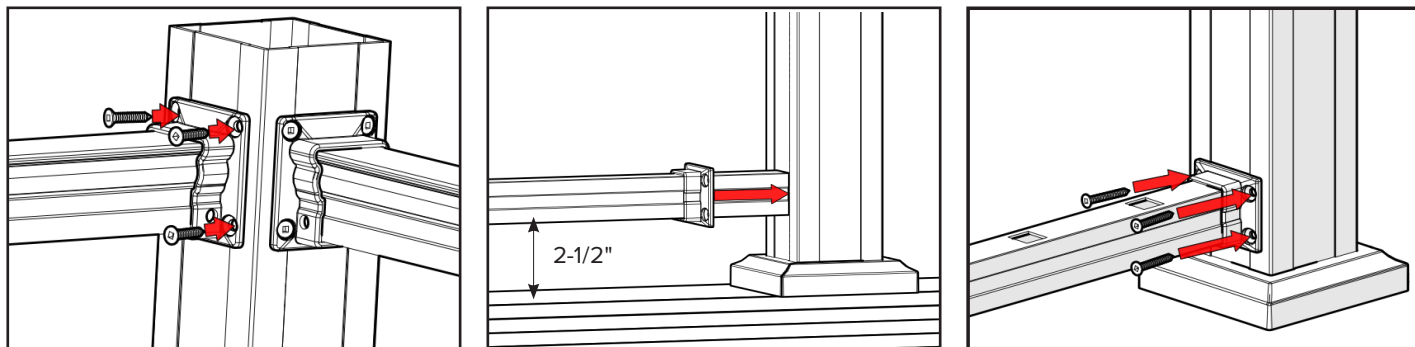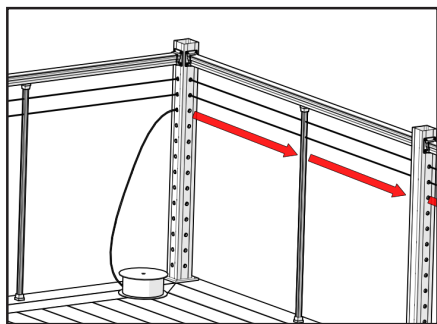
3 ATTACH RAIL(S)

Slide the Bracket over the Rail, then put the Rail in place, and slide the self-centering Bracket against the Post. Fasten Bracket to Post using #12 screws, and secure Bracket to Rail using #10 pan-head screws.

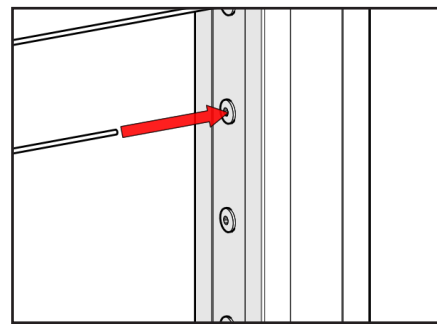If using bottom rail, ensure rail is spaced 2-1/2" from the deck surface as shown.

2-1/2"

Thread the cable through all the Posts and balusters starting from one end Post to the next end Post.

Before Tensioning

After Tensioning
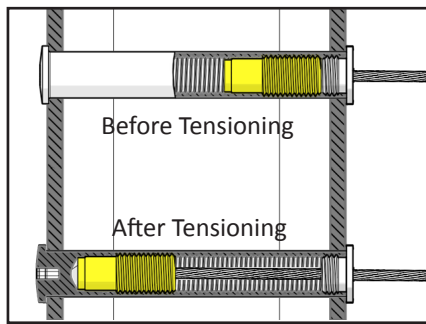
Check to make sure the Lock Jaw housing (highlighted) is threaded all the way out to the cap to maximize tensioning capacity.


Insert the cable into the end Post Receiver as far as it will go. Gently twist clockwise on the cable to until it is secure.
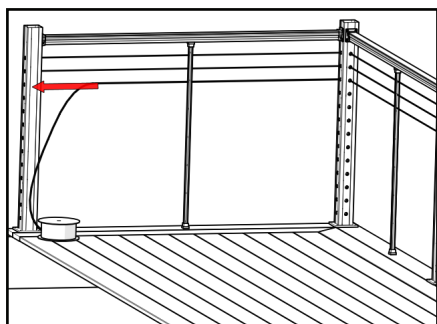

Unwind enough cable to reach to the opposite end Post and pull tight. Removing all slack from each section.


1¼"
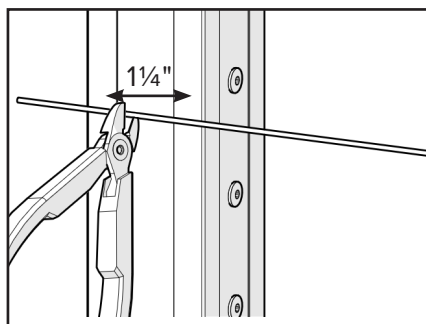
Remove Cable Slack and cut 1¼" longer than inside face of the end Post Receiver. Insert Cable into the Receiver by twisting in a clockwise direction. (Optional use Cable Gripping Pliers)
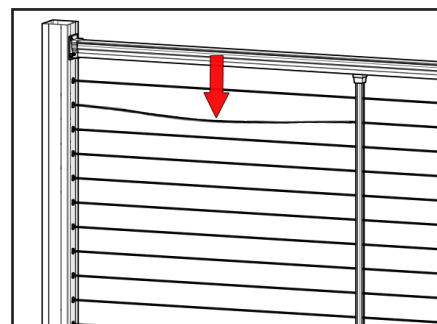
Once both cable ends have been inserted; place body weight onto each cable to set/anchor them firmly inside Receivers. (Before continuing to Step-7) Repeat previous steps for the remaining Post and Baluster rows.
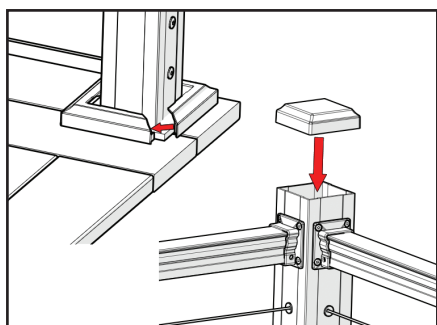
Place Post Cap on Post and use soft or rubber mallet to set in place. Snap the Post Trim halves together around the bottom of each Post.
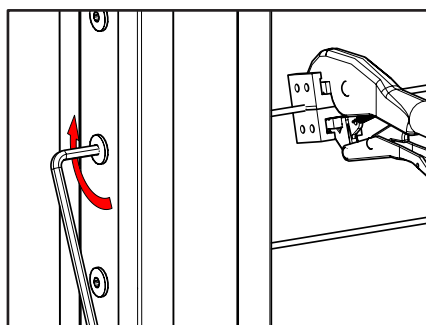
Use a ³⁄₁₆" Allen Wrench, to tighten

Tip: Tighten every other row first, working away from the center.

ⓘ Tensioning Tips

If using black cable, place a soft rag between the cable gripping pliers and the cable to avoid removal of the black oxide coating

A Tension Gauge (available from Keylink) can be used to tighten the cable to the desired tension.

When tightening cable; watch to ensure the cable is not spinning which could indicate the receiver is fully tightened.
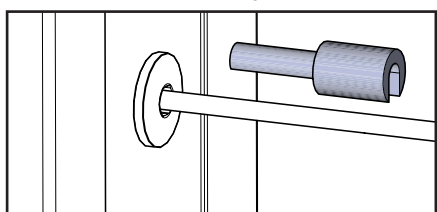
It is reccommended that you do not exceed 200lbs of tension.

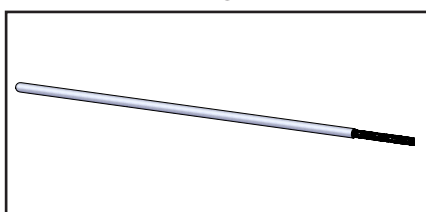**Do not over tighten!**

Cable can release if over tightened.

Check with your local building inspector about local codes regarding cable tension.

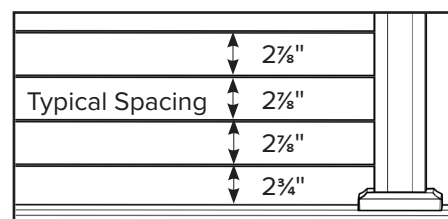| Typical Spacing	
	2⅞"
	2⅞"
	2⅞"
	2¾"

Cable Release Key

To use the Cable Release Key, slide it over the cable into the receiver, and push to release the cable. For use before the cable is fully tightened.

Cable Threading Needle

The Cable Needle is used for threading the cable through balusters & posts that do not have fittings.
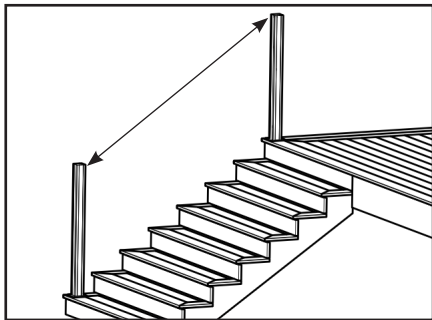
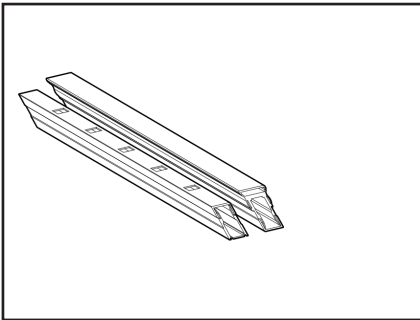**NOTE:** How to Loosen Stuck Jaws

In the event that the jaws of the post receiver become stuck. Insert an Allen Wrench into the open end of the cable receiver, and press until you can feel the internal spring release.

If needed, the lock jaw can be removed from its housing using a #3 flathead screwdriver
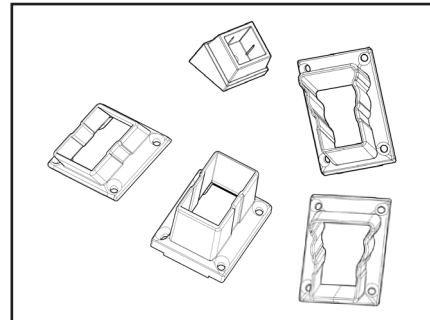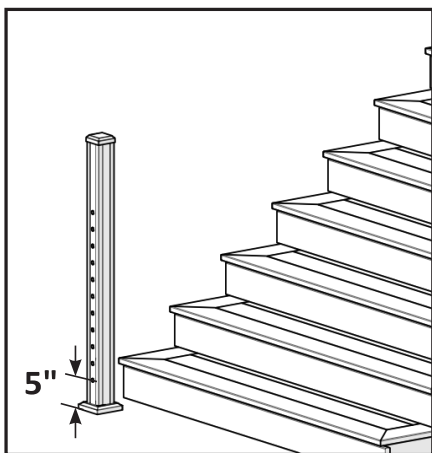
3

Measure from inside edge between Posts (then subtract ¼")

To ensure Rails align properly. Cut Upper and Lower ends of Top and, if applicatble Bottom, Rails at opposite angles.

(Standard stair angle is 34°)

Attach both Baluster stair mounts, Top Rail Stair, and if applicable Bottom Rail Stair rail mounts

(Refer to page 2 step 3)

5"

Ensure that the correct post is being utilized for your specific application regarding level post, end stair post and line stair post.

*This image shows a stair end post

Mark back side of Bottom Stair Post

Level Post

Bottom Stair Post
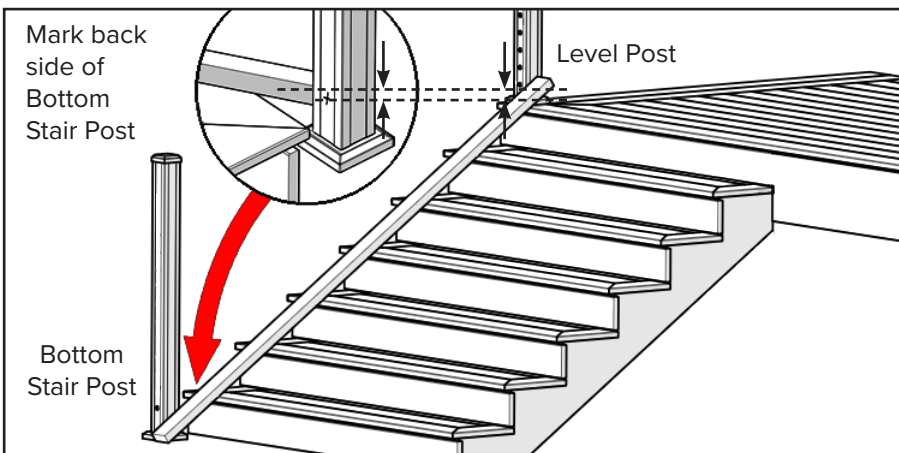
To determine Post placement; use a straight edge laid flat on the nose of the stairs, and measure off the surface to the first hole on the Level Post, and translate that measurement to each Post/ Baluster.

When doing stair sections, mount them as shown below:
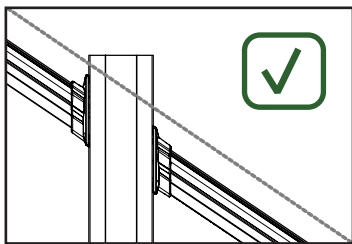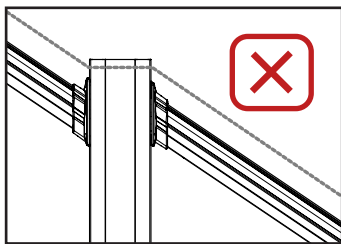
Ensure that the stairs' Top Rail doesn't exceed the level rail height of the opposite Rail.
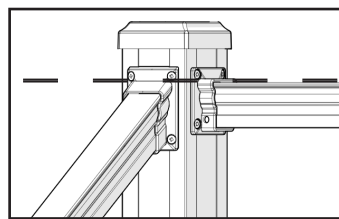
Fascia Mount Cable Rail

When installing Keylink cable rail in a fascia mount scenario please reference the Fascia Mount Bracket Install Guide and the Fascia Mount Section Support Install Guide. The fascia mount bracket is designed to sit approximately 1" below the decks walking surface.

Note: Horizontal Cable Posts most be ordered specific to the face mount scenario

⚠ Maximum straight line distance from top deck surface edge to the bottom of rail or cable is designed to 3.75" Max

4"
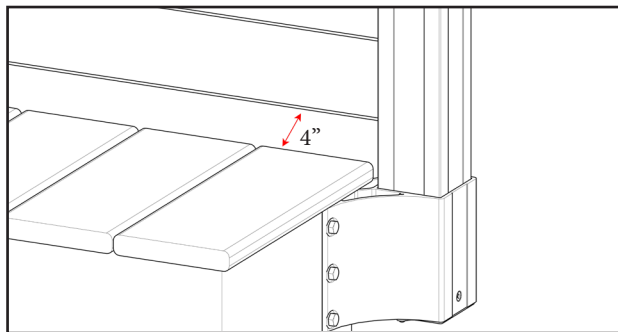
⚠ **NOTE:** All Keylink cable must be cleaned at the end of installation per the Keylink warranty.

These guidelines apply to Keylink's stainless steel cable infill in both horizontal and vertical configurations or used with Keylink external cable fittings.

Stainless steel is a corrosion-resistant material because of the protective chromium oxide barrier on its surface. Regular maintenance is required to keep its luster and durability. Without proper maintenance you are likely to see slight rusting or staining, especially in coastal areas. Fortunately, these small rust spots and discolorations are easy to remove.

BEFORE   **CLEANING**   **AFTER**

For maintenance and stain removal: clean the cable with a rust and stain remover. Keylink recommends *Boeshield's Rust Free® Rust and Stain Remover*. Do not use mineral acids or bleaches. Once clean you may then apply a thin coating of *Boeshield T-9® Waterproof Rust & Corrosion Protection*. Both Rust Free® and T-9® are available through your Keylink dealer.

Black Cable: T-9 Waterproof ONLY. Necessary to remove factory default residue.

BEFORE T9® PROTECTION   **AFTER T9® PROTECTION**
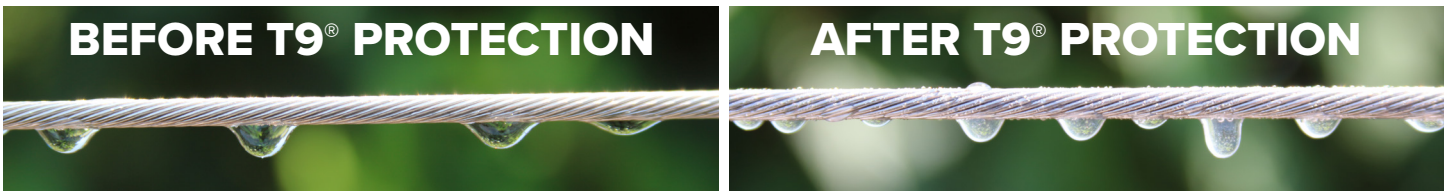
Do not use sandpaper, steel wool, or ScotchBrite® pads to polish cable or cable fittings, as anything abrasive will take the sheen off of the metal. Cloths or non-abrasive sponges work well in combination with cleaners listed above.

Outside of coastal regions, cable railing should be cleaned twice per year. We suggest spring cleaning before deck season begins and fall cleaning when the season ends.

If you are within one mile of saltwater, cleaning should be done at least four times per year or as needed. Neglecting regular cleaning can result in discoloration, corrosion, and potentially void your warranty.

EXAMPLE OF NEGLECTED MAINTENANCE NEAR SALTWATER   **EXAMPLE OF REGULAR MAINTENANCE NEAR SALTWATER**
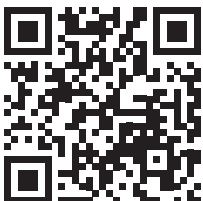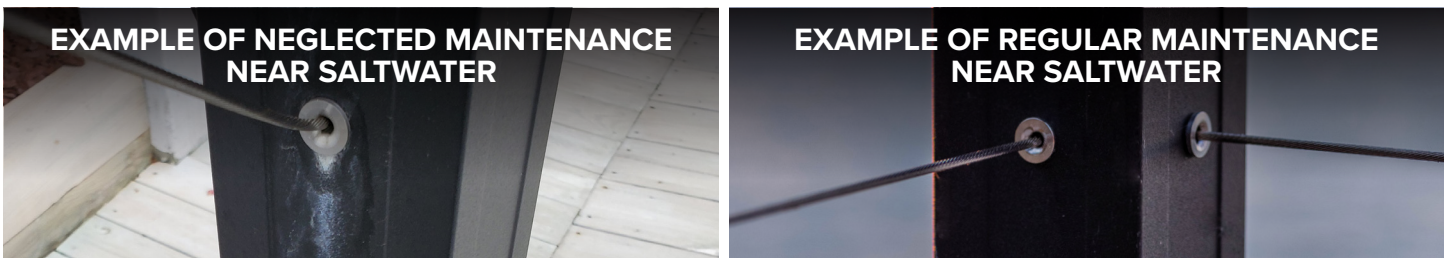
Scan the QR code to find videos of cleaning railing and cable, as well as re-tensioning cable.

1. These directions are only a guide and may not address every situation.
2. Always wear proper safety equipment while assembling and installing.
3. The installer should obtain all required building permits and follow all installation procedures in accordance with applicable building code requirements.
4. Keylink, Inc. shall not be held liable for improper or unsafe installations.
5. Applying paint, other than Keylink's touch up paint, will void your warranty.
6. To ensure proper coverage by our warranty please visit our website and complete the warranty form and mail to: Keylink, 110 Peters Road, New Holland, PA 17557

KEYLINK

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