



# ATTRACTIVE • VERSATILE • DURABLE

#### CHECK THE CABLERAIL 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 metal or wood railing frames.
- Simple, fast, do-it-yourself installation using pre-fabricated 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 discolour 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.
- Never use coarse abrasives like sandpaper or steel wool on stainless. Use synthetic Scotch pads instead.
- Never leave stainless in contact with iron, steel, or other metals. This can cause rust spots or corrosion.
- Always remove stains or rust spots as soon as possible with either soap and water or a brass, silver, stainless, or chrome cleaner.
- Periodically inspect cable assemblies for proper tension and re-tension as necessary. This is important.

# DETERMINING WHAT YOU'LL NEED

- CAREFULLY REVIEW: Read all of the product descriptions, installation instructions, and frame recommendation pages in this catalogue. Contact us should you have any inquiries.
- 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 50 feet and runs with bends (2 corner bends at most) should not exceed 40 feet.
- 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. Remember 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 discs you may need (see Tools Checklist on the Installation Instruction pages).
- 6. FILL YOUR ORDER: Visit our office locations to take a look at our CableRail\* display and order in person or online via our website: **euroeac.com.**







#### **EASY TO INSTALL**

SNUG-GRIP®

PRE-FABRICATED CABLE ASSEMBLIES are an attractive, budget-friendly, and low-maintenance alternative to commonly-used metal and wood picket infill. Assemblies use 1/8" 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.



# **CABLE ASSEMBLIES**

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

CableRail® Assemblies are designed to be used on your own metal or wood frames in either interior or exterior settings.

ASSEMBLY LENGTHS	METAL ASSEMBLY #	WOOD ASSEMBLY #
5'	SSCBKIT4145	SSCBKIT7125
10'	SSCBKIT41410	SSCBKIT71210
15'	SSCBKIT41415	SSCBKIT71215
20'	SSCBKIT41420	SSCBKIT71220
25'	SSCBKIT41425	SSCBKIT71225
30'	SSCBKIT41430	SSCBKIT71230
40'	SSCBKIT41440	SSCBKIT71240
50'	SSCBKIT41450	SSCBKIT71250
70'	SSCBKIT41470	

Assemblies for metal railings have 4 1/4" Threaded Terminals and nylon washers. Assemblies for wood railings have 7 1/2" Threaded Terminals and stainless steel washers.

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



COLOURED (Polyethylene) SOLD 10 PER PACKAGE.

SSCBECBL Black, 3/4" OD x 3/8" H SSCBECBR Brown, 3/4" OD x 3/8" H SSCBECWH White, 3/4" OD x 3/8" H





**STAINLESS** SOLD 4 PER PACKAGE.

SSCBECSSDO Dome, 3/4" OD x 3/8" H SSCBECSSCH Chamfer, 3/4" OD x 3/8" H



#### **CABLE ACCESSORIES**

All accessories complement our 1/8" diameter cable assembly kits.



# METAL POST NYLON PROTECTOR SLEEVES

For protecting corner and stairway transition posts from cable abrasion. For Landing only. SOLD INDIVIDUALLY.

1 **SSCBIB14516** 1/8" (Threaded Terminal ends) 2 **SSCBIB31614** 1/8" (Intermediate posts) 3 **SSCBIB381532** 1/8" (Quick-Connect®SS ends)



# WOOD POST STAINLESS STEEL PROTECTOR SLEEVES

For protecting corner and stairway transition posts from cable abrasion. For Landing only. SOLD 10 PER PACKAGE.

SSCBSL1478 1/4" OD x 7/8" long (fits 1/4" diameter drill holes)



# STAINLESS BEVELED WASHERS

For providing a flat bearing surface when attaching fittings at 32° angled stair terminations. SOLD 4 PER PACKAGE.

SSCBBW3834 3/4" OD x 3/8" ID (Quick-Connect®SS ends) **SSCBBW93234** 3/4" OD x 9/32" ID (Threaded Terminal ends)



## RUBBER GROMETS

Rubber grommet for Intermediate posts. SOLD INDIVIDUALLY.

SSCBRG18



## CABLE CUTTERS

For shearing excess cable. SOLD 1 PER PACKAGE.

SSCBWCUT18 8" long, coated handles, hardened jaws



# TENSION GAUGE

Easy-to-use tool for checking cable tension. SOLD 1 PER PACKAGE.

**SSCBTG** Designed for 1/8" CableRail cable.



# TENSIONING TOOL

SOLD 1 PER PACKAGE.

**SSCBTT** Designed for 1/8" CableRail cable.



# CABLE LACING NEEDLE

For quickly lacing cable ends through posts without snagging. SOLD 1 PER PACKAGE.

SSCBNE18 4 1/2" long, reusable



# 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.

SSCBRT18 1/2" OD x 1 1/8" long, reusable



#### 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" spacing for CableRail cables. Slotted holes on the stair pickets will accommodate a stairway slope of between 20° and 45°. Can be trimmed to fit railings up to 42" high. Includes all base plates and attachment screws. SILVER COLOUR.

SSCBIP244 3/4" SQ. x 44" long (Landing rail picket) 3/4" SQ. x 46" long (Stairway rail picket) SSCBIP246

#### STEP-BY-STEP INSTALLATION FOR METAL FRAMES

INSTALLING THE STANDARD 1/8" CABLE SYSTEM IS EASY. JUST FOLLOW THESE SIMPLE STEPS:

# TOOLS CHECKLIST

- ☐ Safety Glasses
- Work Gloves
- ☐ Pencil
- ☐ Measuring Tape
- ☐ Electric Drill
- ☐ Drill Bits
- Hammer
- ☐ Cable Cutters
- ☐ Vise-Grip Pliers
- ☐ 7/16" Wrench
- ☐ Electric Grinder with Grinding Disc & Cut-Off Disc
- ☐ Hacksaw or Electric Reciprocating Saw
- ☐ Cable Lacing
  Needle
- Feeney Tension
  Gauge

IMPORTANT NOTE:
If using electric or
pneumatic tools to
tighten the WasherNuts, spin the
nuts very slowly;
otherwise, they will
heat up, causing the
threads to seize.



Mark drill hole locations on posts.

To minimize cable deflection, space cables no more than 3 inches apart and have a post or vertical spacer at least every 3 feet.

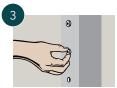
Also, straight runs of cable (no turns/dips) should not exceed 50 feet. Runs with corners (2 bends at most) should not exceed 40 feet. See Metal Frame Requirements on opposite page.



Drill holes in posts. Hole diameter depends on cable size and type of fitting. See below.

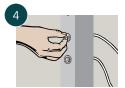
Quick-Connect Post

If desired, Quick-Connect®SS posts may be through-drilled at 1/4" and then counterbored with the recommended Quick-Connect®SS drill to countersink the fitting.



If using Isolation Bushings or Grommets (optional), insert them into their corresponding post holes.

Note: If using Isolation Bushings, call for special drill hole sizes.



Insert the Threaded Terminal through the Terminal end post and attach a flat washer and Snug-Grip® Washer-Nut. Spin the nut 2 full turns. Strong resistance will be felt as the Snug-Grip® threads engage, so hold the Terminal shaft with pliers.



Lace the free end of the cable through the intermediate posts and Quick-Connect®SS end post. Slide on a flat washer and Quick-Connect® SS fitting until they rest against the face of the post. Use a Lacing Needle if snagging becomes a problem.





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



Hold the Quick-Connect®SS fitting with one hand and pull the cable tight with the other. The fitting automatically locks when you release the cable.



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.

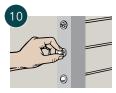
See tensioning sequence diagram at bottom left.



Use hacksaw, reciprocating saw, or electric grinder with cut-off disc 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 disc to trim the excess cable. Grind flush the exposed cable ends with an electric grinder.



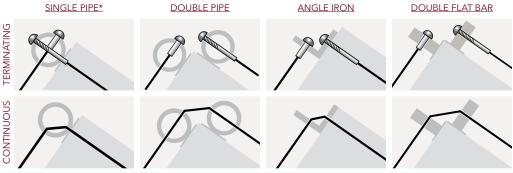
Snap on end caps over the exposed Quick-Connect®SS fittings and the Snug-Grip® Washer-Nuts. You're done.

SSCLEANER can be applied for lasting protection of stainless steel cable and parts.

# threads to seize. RECOMMENDED CABLE TENSIONING SEQUENCE The second sec

\*Offset drill holes at least 1/2" if you choose to have cables terminating at a single pipe post.

# CABLES CAN EITHER TERMINATE OR RUN THROUGH CORNER POSTS



6

#### METAL 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 in excess of 300 lbs. for each cable. Here are some basic guidelines to help you prepare your railing frames for cable infill.

#### MINIMUM SIZES FOR ALL CORNER AND END POSTS

All other posts should be sized as required for cap rail support strength or for code.







ANGLE IRON 2" wide, 1/2" thick

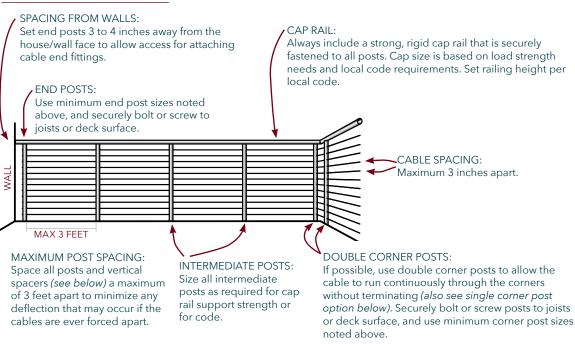


EXTRA STRONG PIPE 1 1/2" ID, 1 7/8" OD



SQUARE TUBE 2" wide, 1/4" wall

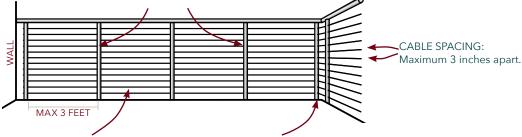
#### THE BASIC FRAME DESIGN



## 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. Examples are 1" metal tubing or 1/4" flat bar. Attach spacers to the cap rail and either the foot rail, deck surface, or joists.



FOOT RAILS (OPTIONAL):

Foot rails should be spaced no more than 4 inches above the deck surface, or as required by local code, and should be sized as needed for support strength and design appearance.

#### SINGLE CORNER POST (OPTIONAL):

In most cases with single corner posts, cables must be terminated. Exceptions are angle iron posts or tubular metal posts. When terminating on a single corner post, be sure to offset the drill holes at least 1/2" to allow internal clearance for the cable fittings. Use minimum end post sizes noted above and securely bolt or screw to joists or deck surface.

# IMPORTANT NOTE

For railings, we recommend spacing the cables no more than 3 inches apart and placing posts or vertical members no more than 3 feet apart.

Please note that since building codes vary by province and city, our recommendations may not comply with code requirements in all areas.

Always consult with your local building department before starting your project.

# CONSTRUCTION CHECKLIST

- Space cables maximum 3 inches apart
- Space posts/
  verticals maximum 3
  feet apart
- Observe minimum end/corner post sizes shown above
- Securely fasten all posts and cap 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 50 feet; runs with corner bends (2 bends at most) should not exceed 40 feet

# STEP-BY-STEP INSTALLATION FOR WOOD FRAMES

INSTALLING THE STANDARD 1/8" CABLE SYSTEM IS EASY. JUST FOLLOW THESE SIMPLE STEPS:

# **TOOLS CHECKLIST**

- ☐ Safety Glasses
- ☐ Work Gloves
- ☐ Pencil
- Measuring Tape
- ☐ Electric Drill
- □ 1/4", 5/16" & 3/8" **Drill Bits**
- Hammer
- ☐ Cable Cutters or Cut-Off Disc
- ☐ Vise-Grip Pliers
- ☐ 7/16" Wrench
- ☐ Electric Grinder & Disc
- ☐ Hacksaw
- ☐ Cable Lacing Needle
- ☐ Feeney Tension Gauge



Mark drill hole locations on posts.

To minimize cable deflection, space cables no more than 3 inches apart and have a post or vertical spacer at least every 3 feet. See Wood Frame Requirements on opposite page.



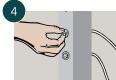
Drill 5/16" holes in one end post for the Threaded Terminal fitting, 3/8" holes in the other end post for the Quick-Connect® fitting, and 1/4" holes in all other posts.

If desired, the Quick-Connect® posts may be through-drilled with a 1/4" bit and then counterbored to 1 1/2' deep with a 3/8" bit to countersink the fitting.



Insert Protector Sleeves at necessary locations. Tap in until flush.

See Special Parts section below.



Insert Protector Sleeves at necessary locations.

Tap in until flush.

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.



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.

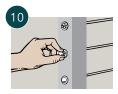
See tensioning sequence diagram at bottom left.



Saw off the excess threads as close to the Snug-Grip® Washer-Nut as possible. Touch up any sharp edges with electric grinder. The special Snug-Grip® threads prevent the nut from loosening.



Use cable cutters or electric grinder with cut-off disc 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.

SSCLEANER can be applied for lasting protection of stainless steel cable and parts.

#### RECOMMENDED **CABLE TENSIONING** SEQUENCE

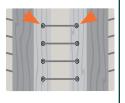


# SPECIAL PARTS FOR SPECIAL SITUATIONS

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



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 diameter drill holes.



# CABLES CAN EITHER TERMINATE OR RUN THROUGH CORNER POSTS

# **TERMINATING**

down the cable into the fitting.



Offset drill holes at least 1/2"







**CONTINUOUS** 

**DOUBLE WOOD POST** 

**DOUBLE WOOD POST** 

# 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 in excess of 300 lbs. for each cable. Here are some basic guidelines to help you prepare your railing frames for cable infill.

#### **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 4x6 wood.

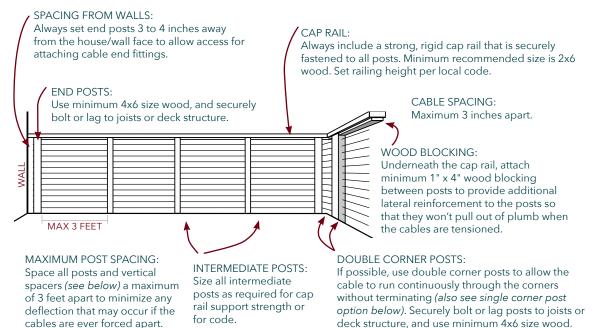
Intermediate Posts: The remaining intermediate posts do not support any tension load since the cables pass straight through, so they can be sized as required for cap rail support or for code.



4x6 WOOD

3 1/2" wide, 5 1/2" thick

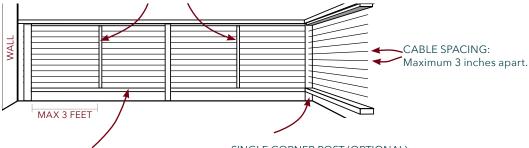
#### THE BASIC FRAME DESIGN



# 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 2" x 2" wood strips, copper tubing, or Feeney Intermediate Pickets (see accessories on page 30). Attach them to the cap rail and either the foot rail, deck surface, or joists.



FOOT RAILS (OPTIONAL):

Recommend minimum 2x4 size wood spaced no more than 4 inches (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 4x6 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" to allow internal clearance for the cable fittings.

## **IMPORTANT** NOTE

For railings, we recommend spacing the cables no more than 3 inches apart and placing posts or vertical members no more than 3 feet apart.

Please note that since building codes vary by province and city, our recommendations may not comply with code requirements in all areas.

Always consult with your local building department before starting your project.

# **CONSTRUCTION CHECKLIST**

- Space cables maximum 3 inches
- ☐ Space posts/ verticals maximum 3 feet apart
- Use minimum 4x6 size wood for all end and corner posts
- ☐ Securely fasten all posts and cap 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 50 feet; runs with corner bends (2 bends at most) should not exceed 40 feet





# QUICK-CONNECT® CABLE HARDWARE



We've taken our automatic-locking-jaw design from our original Quick-Connect® fitting and applied it to an entire line of cable end fittings. Now, you can select from a wide variety of sleek and versatile cable end fittings that offer the flexibility of assembling cables in the field and the simplicity, speed, and gripping power of our Quick-Connect® jaws: no more cumbersome crimp tools or time-consuming wedge-type compression fittings. Simply trim your cable to length, push the end into the Quick-Connect® fitting, and the spring-loaded jaws automatically engage. You're ready to go! Made from marine grade 316 stainless steel for weather-tough durability, low maintenance, and lasting beauty. Fittings also come with a silicone protection seal pre-inserted into the end, providing added protection against dirt and debris entering the body of the fitting. If necessary, a reusable release tool is available to disengage and remove or readjust the fitting (see SSCBRT18 on page 30).

#### 2 TYPES OF QUICK-CONNECT® FITTINGS

# **1** FIXED END FITTINGS

- Non-adjustable end termination fittings, sometimes referred to as "dead ends."
- Have no tensioning capabilities.
- Each Fixed End Fitting must be paired with at least one Tension Adjustment Fitting.

# **2** TENSION ADJUSTMENT FITTINGS

- Include Turnbuckles and Swivel fittings that are used to tighten the cable lines.
- Tension is adjusted by spinning the tubular body on the Turnbuckles and Swivel fittings.
- Tension Adjustment Fittings can be paired with either a Fixed End Fitting or another Tension Adjustment Fitting.



Trim cable to length

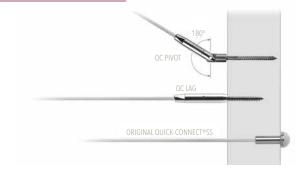


Insert cable into fitting



Jaws lock automatically

# **FIXED END FITTINGS**





# SWIVEL TENSION ADJUSTMENT FITTINGS



# QUICK-CONNECT® FITTINGS • 316 GRADE STAINLESS STEEL

#### FIXED END FITTINGS

#### **QUICK-CONNECT® LAG**

- Screws into the face of a wood post or wall using a hanger bolt with lag thread (included).
- Typically paired with a Quick-Connect® Lag Swivel Turnbuckle.

PART# CABLEØ PILOT DRILLØ QCØ **SSCBQCLAG** 1/8" 1/4" lag 2" 4 1/4" 7/16"



\*Drill pilot hole slightly larger if using hardwood posts.

#### **QUICK-CONNECT® PIVOT**

- Screws into the face of a wood post or wall using a hanger bolt with lag thread (included).
- 180° pivoting allows for angled stair terminations.
- Typically paired with a Quick-Connect® Pivot Swivel Turnbuckle.

PART# CABLEO THREAD PILOT DRILØ QCØ SSCBQCP18 1/4" lag 2" 4 3/8" 7/16" 1/8" \*7/64"



\*Drill pilot hole slightly larger if using hardwood posts.

#### THE ORIGINAL! QUICK-CONNECT®SS

- Fits into a hole drilled in end post, and the lip rests against the outside post face.
- Design allows the cable to pass entirely through the fitting in one direction only; any excess cable is trimmed.
- Use beveled washers (SSCBBW3834 or SSCBBW93234 on page 30) for angled stair termination and flat washers for added bearing surface on wood posts.
- Exposed end is covered with coloured end caps (SSCBECBL, SSCBECBR, or SSCBECWH on page 29) or stainless end caps (SSCBECSSDO or SSCBECSSCH on page 29).
- Can be paired with any Tension Adjustment Fitting.

DRILLØ PART# CABLEO CØ BØ 5/8" 1/8" 3/8" 1 1/8" 3/8" SSCBQC18

# **CABLERAIL® COILS (1x19 CONSTRUCTION)**

CABLEØ PART# GRADE L SSCB18100 100' SS316 1/8" SSCB18250 250' 1/8" SS316





## TENSION ADJUSTMENT FITTINGS

#### QUICK-CONNECT® LAG SWIVEL TURNBUCKLE

- Screws into the face of a wood post or wall using a hanger bolt with lag thread (included).
- Typically paired with a Quick-Connect® Lag or another Quick-Connect® Lag Swivel Turnbuckle.

CABLEØ THREAD T L closed (open) **SSCBQCLAG1** 1/8" 1/4" lag 2" 5 1/4" (5 3/4") 7/16"







# **QUICK-CONNECT® PIVOT SWIVEL TURNBUCKLE**

- Screws into the face of a wood post or wall using a hanger bolt with lag thread (included).
- 180° pivoting allows for angled stair terminations.
- Typically paired with a Quick-Connect® Pivot or another Quick-Connect® Pivot Swivel Turnbuckle.

THREAD CABI FØ L closed (open) QCØ SSCBQCPST18 1/8" 1/4" lag 2" 7" (7 3/4") 7/16"





The swivel line of turnbuckles have a special swiveling body that's integrated with the Quick-Connect® fitting, creating a shorter overall turnbuckle design with a sleek appearance and fewer exposed threads. Machined flats allow wrenches to securely grip and spin the body to adjust tension without marring the polished surface. Swivel turnbuckles are perfect for short to mediumlength cable runs.

