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GONZATO
GROUP

Cable Railing Installation

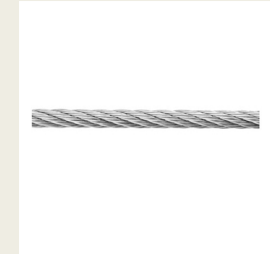
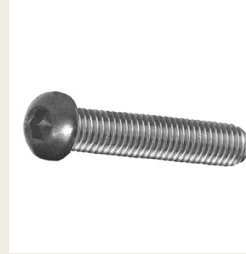
Agenda

1. Tools Needed
2. Precon walk through
 - a. *Anchoring locations*
 - i. Where is my blocking for my handrail
 - ii. What is my substrate?
3. Layout
4. Establishing your structure
5. Crimping
6. Measuring and cutting
7. Tensioning
8. Hands on installation

Tools Needed

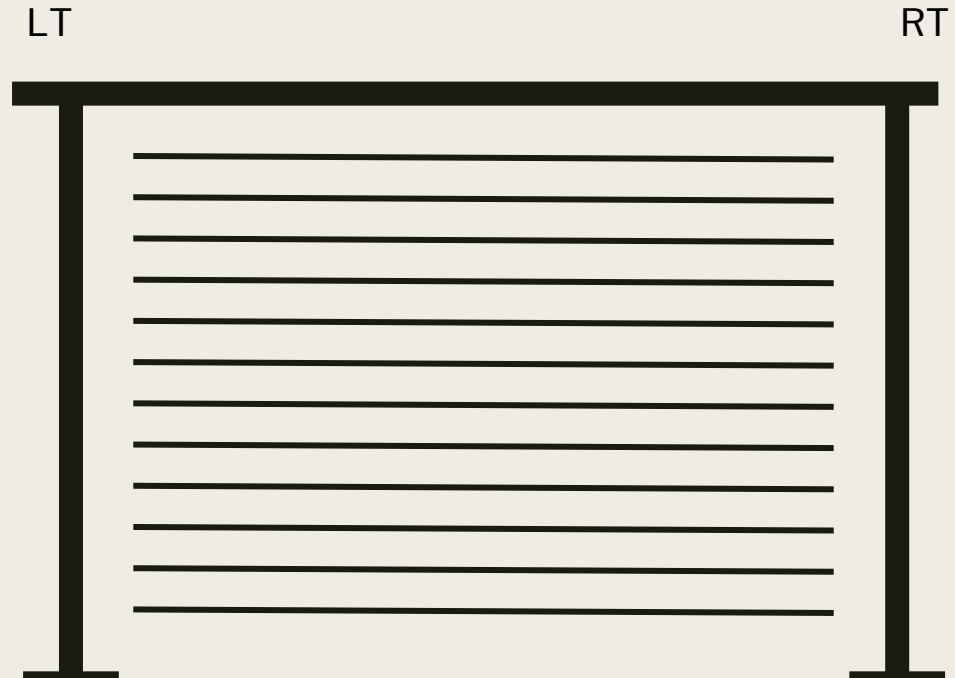
1. End terminals with adjoining intermediate terminals
2. Cable (5mm)
3. Manual or electric crimping tool with correct die
 - a. 14 ton minimum
4. Shearing tool -cut the cable
5. Paint pen or marker
6. Allen key/Torque Screwdriver
7. Adjustable spanner wrench, crescent wrench/pliers
8. Preferably two installers minimum

****Note:** Regardless of the end terminals, installation will be the same.



Layout

1. Count all materials shipped
2. Group rights with rights and lefts with lefts
 - a. *Establish which side is which*
 - i. The side is not important just so long as there are correlating thread types
 - i. *R/R and L/L*



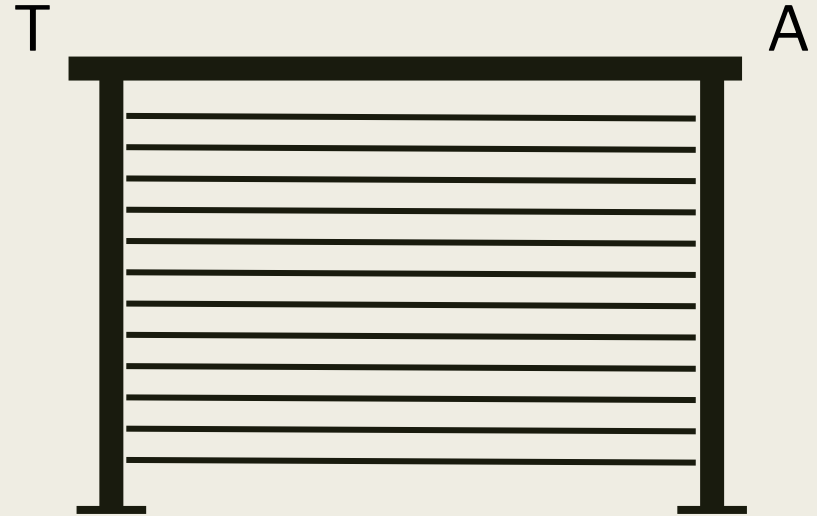
Crimping

1. 14 ton manual crimping tool
 - a. *Most common die used*
 - i. 7.5
 - ii. 7.75
 1. *Not diameter of cable*
2. Location of crimp
 - a. *Ensure cable is secured in terminal*
 - b. *Terminal is flush against post*
 - c. *Crimp end of terminal closest to entry point of cable*



Measuring and Cutting

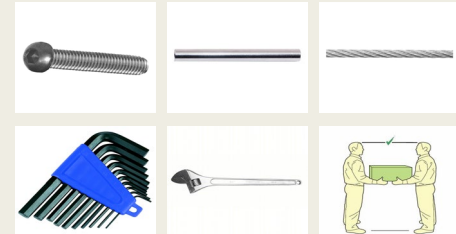
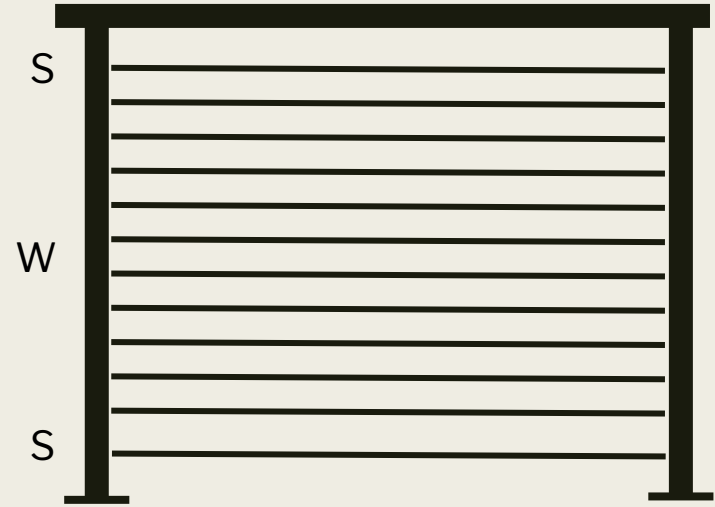
1. Establish an anchor side and a tensioning side
2. Thread anchor side all the way in on shorter runs
 - a. *Leave partially unthreaded for longer runs for adjustment*
3. Thread tension side intermediate terminal shoulder to edge of opening.
4. Insert cable all the way on anchor side and crimp innermost edge of terminal
5. Pull cable parallel to tension side correlating terminal removing as much tension as possible.
6. Using the paint pen, mark the cable ~ $\frac{3}{4}$ " inset from the edge of the open side of the terminal
 - a. *Make sure terminal from anchor side did not dislodge causing an improper measure.*
7. Cut cable to designated length and insert into correlating terminal.
8. Repeat crimping action on tensioning side ensuring terminals and cable remained stationary during measure and cut.



Tensioning

1. After all terminals and cable are installed- begin at your strongest runs of cable working out ward in to the weakest.
2. Using your wrench, hold the crimped portion of the tension terminal. Simultaneously, tighten the end terminal with the allen keys.
3. Adjustments will be needed after the initials tensioning
4. ~ Amount of force on cable
 - a. 20 in/lbs
 - b. *Suggested to go by feel so as to not hypertension*

** For coated terminals it may require a drill with allen key adapter to tension properly to bypass resistance from coated threading.





THANK YOU

For more information, contact your local representative

Indital.com
800-772-4706