



RG6 TLC F Hands-On



Materials Needed

RG6 regular/dual coax cable

Adjustable prep tool (stripper) (45-526)

RG6 FTLC connector (85-168)



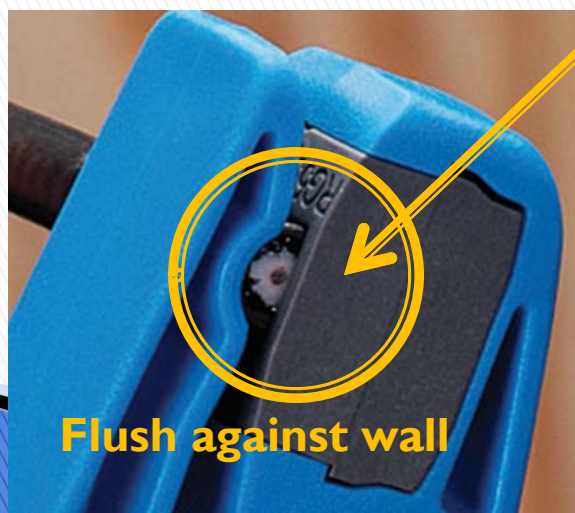
Prep the RG6

Tool directions

- ▶ Verify grey cartridge is in the front (nose) position of the 45-605.
- ▶ Note the location of the wall side of the cartridge. Remove and flip cartridge if needed.
- ▶ Squeeze handle to open the jaw.
- ▶ Place the coax into the grey cartridge flush against the wall of the cartridge. Not on top of wall.
- ▶ Quickly rotate tool clockwise 4 times around cable. No need to spin in the opposite direction.
- ▶ Pinch tool nose and pull cable from tool.
- ▶ Remove slugs from tool if necessary.



Wall side



- ▶ Fixed depth and width blades. Auto adjusts for 59/6/6Q and plenum coax.
- ▶ Notched blade now handles 59 plenum.
- ▶ Replaceable blades available.
- ▶ Provides standard 1/4" x 1/4" prep.

45-605 PrepPro™ Tool



Made in U.S.A. of
U.S. and Global
Components

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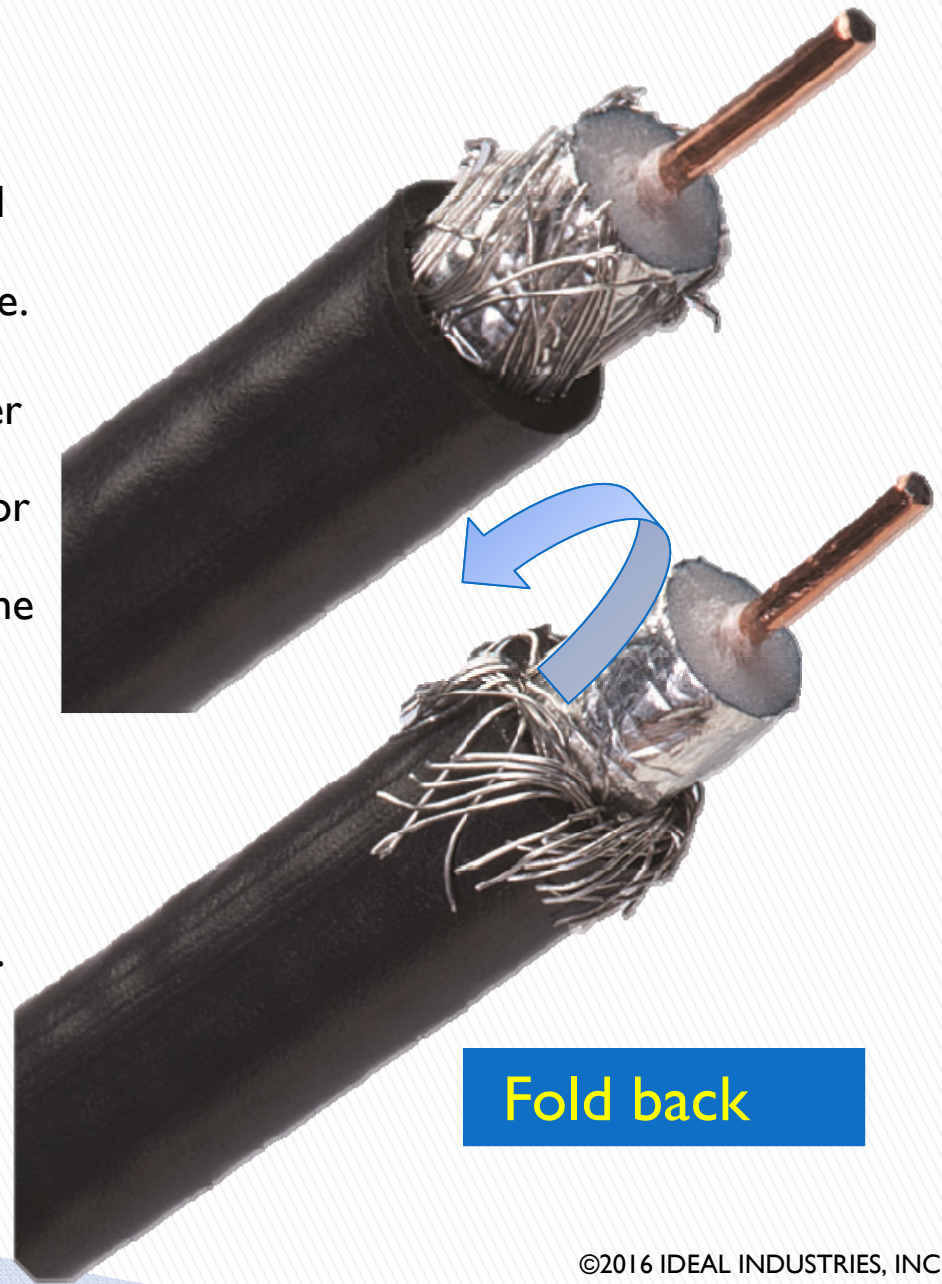


Inspect & Dress the RG6

Same procedure as 6 F Crimp

To do checklist:

- ▶ **No braids touching or wrapped around the center conductor.**
- ▶ Braid strands all cut flush with dielectric edge.
- ▶ Dielectric cut flush 90°.
- ▶ No excessive remnants/residue on the center conductor.
- ▶ No excessive scoring of the center conductor near the dielectric.
- ▶ Ensure braids are not severed/scored near the jacket cut and will become loose.
- ▶ Center conductor is straight with a well formed tip.
- ▶ Outer jacket cut is clean and flush.
- ▶ Gently fold back the braiding against the jacket.
- ▶ Do not disrupt, remove, or fold the foil layer. Leave it flat against the dielectric.
- ▶ Keep the braiding evenly distributed around the jacket.



TLC Tool-less F Compression



- ▶ [No compression tool required.](#) Just prep and attach connector.
- ▶ Designed for indoor connections.
- ▶ Fast, easy, and inexpensive option for a reliable connection.
- ▶ Works kind of like a Chinese finger trap device.
 - Does not pierce jacket with “teeth”
- ▶ Sliding post captures the cable with a 360° seal.
- ▶ No connector or cable dielectric deformation.
- ▶ Permanent connection, it is not re-useable.
- ▶ Also available in RG6 Quad

TLC: Tool-Less Compression
saves you Time, Labor, and Cost!



Place TLC connector on RG6 cable

Assembly directions

- ▶ Take the RG6 FTLC connector and center it over the cable.
- ▶ Align and insert the center conductor from the bottom of the connector through the smaller inner hole (mandrel).
- ▶ Make sure the dielectric is centered in the mandrel opening.
- ▶ **Push** or slightly twist the connector back and forth until the white dielectric is flush with the bottom of the nut of the connector. Notice the mandrel moves in this connector.
- ▶ The conductor tip should extend 1/4" beyond the top lip of the hex nut.
- ▶ Pull connector body **FORWARD** to help seat the post to the base of the nut. And expose nut threads. The conductor will now be standard length.
- ▶ Give one last inspection to ensure no strands are in contact with the center pin.
- ▶ **Attaching the TLC connector to a device will seat the post fully to the base of the nut if the pull back alone did not do it.**
- ▶ Use of an F-Connector tool to tighten the TLC to a device is optional. The tool (35-046) will help ensure that the post is fully recessed, providing good electrical continuity between the nut and the post.



Because the TLC has a sliding post design, the center conductor will initially stick out farther than crimp or compression connectors. When attached to a device, the post slides back to a recessed position, and the conductor will be the standard length.

Properly Seated Connector



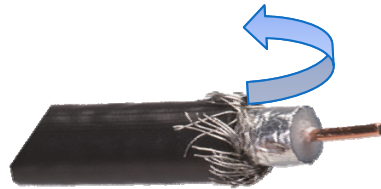
Completed Termination



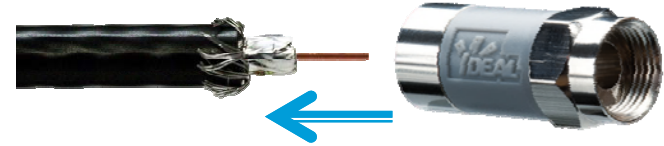
IDEAL TLC™ F Connector Termination Instructions



1) Use coax stripper to strip cable so 1/4" of conductor and 1/4" of braiding are exposed. (45-605 shown)



2) Fold back braiding, make sure no braids are touching the center conductor. Straighten conductor if needed. Do not remove foil that is attached to the white dielectric (RG6/6Q)



3) Center cable over back end of connector and push connector on to cable until fully seated. Connector post will slide. This is normal.



Threads hidden

4) Cable is fully seated when white dielectric is flush with the bottom of the nut.



Threads exposed

5) Holding the connector, pull back on cable to expose threaded rings and lock connector into place. No tool is required.



6) Verify threaded rings are exposed and dielectric is at/near connector nut bottom. Connect to device.

RG6 coax is used in this example. General preparation instructions are the same for RG6 Quad TLC IDEAL F connectors. When working with RG6 Quad cable, the outer foil can be removed, and the inner braiding should be folded down. This makes it easier to push the connector on to the cable.

