



## Installing a Type F Crimp Connector on RG6 Coaxial Cable

**Program:** Electrician Technician

**Course:** EL160 - Low Voltage Application

**Objectives:** Under the supervision of your instructor, you should be able to do the following:

- Install raceways, boxes, and enclosures for VDV systems.

**Lab Equipment:**

- N/A

**Required Tools:**

- 1 - Measuring tape
- 1 – Pair of Diagonal wire cutters
- 1 – RG6/RG59 coaxial cable stripper
- 1 – RG6/RG59 crimping tool

**Materials:**

- 2' – Four-conductor flat ribbon telephone cord
- 2' – RG6 coaxial cable
- 2 – RG6 crimp-on connectors

**Safety (PPE):**

- Safety glasses

**Resources:**

- N/A

**Required Time:** 60 Minutes

**Shop Maintenance:**

- All work will cease 20 minutes prior to the end of class.
- All work areas must be cleaned.
- Tools and equipment must be cleaned and returned to the designated areas (cage, tool room, cabinets etc.)
- Any broken or missing tools must be reported immediately.
- Tools and equipment are student's responsibility

**Procedures:** (*Eye protection must always be worn*)

1. Cut the end from a piece of RG6 coaxial cable so that the end is square (Figure 1). Insert the square end into the special RG6 strippers (Figure 2) so that 0.5" extends beyond the edge of the cutting blade (see Figure 3).
2. Apply slight pressure on the blade insertion trigger while turning the cutter completely around the cable two or three times.



3. Pull the long end of the cable away from the cutter, leaving the precisely measured, stripped end (Figure 4).
4. Firmly push a Type F RG6 crimp connector on the stripped end of the cable, making sure all wire braids are inserted into the outer sleeve of the connector.
5. Insert the connector into the correct jaw (RG6) of the crimping tool (Figure 5). Do not allow the cable to move.
6. Squeeze the crimping tool handles together until a secure crimp is made completely around the connector.
7. Remove the cable with the connector properly crimped to its end (Figure 6).
8. Gently pull on the cable while holding the connector to ensure that the connector is properly crimped to the cable.



Figure 1 ■ RG6 Cable and Type F Connector



Figure 2 ■ RG6/RG59 Stripping Tool

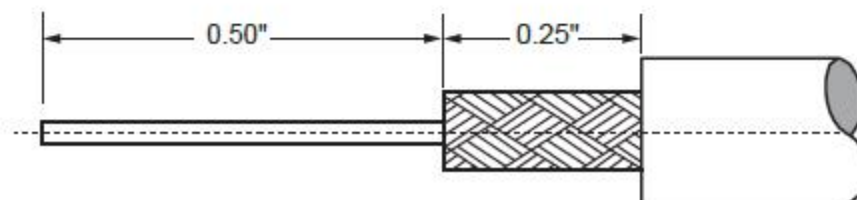


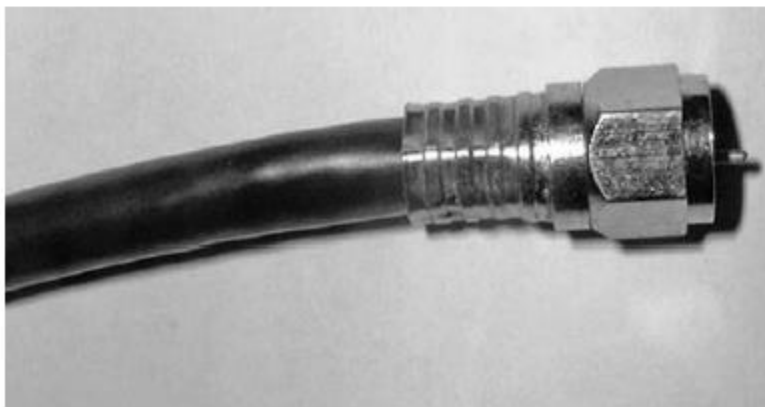
Figure 3 ■ Proper Strip Lengths Required to Make a Crimp Connection



*Figure 4* ■ Properly Stripped RG6 Cable End



*Figure 5* ■ RG6/RG59 Crimping Tool



*Figure 6* ■ Completed Connector Installation