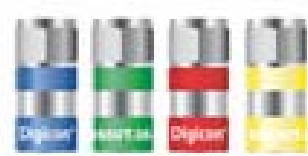


# Digicon®

## Installation Guide



### Digicon S Series RG59/RG6 F-Connectors

- High-performance, 360° sealed compression connector
- Exceeds SCTE and Telcordia requirements & specifications
- Machined brass sealing rings, located in the final taper of the compression, create a permanent water barrier seal at the base of the connector
- Lubricated internal “O” ring prevents moisture migration at the mandrel nut intersection, creating an environmentally sealed connection
- Large ferrule contact surface ensures a proper RF and digital interface
- Extended nut includes more threads than standard connectors for added environmental protection

# What You Need



**Coaxial Cable Cutter**

Digicon PSA59/6



**Coaxial Cable Stripper for RG59/RG6  
1/4" x 1/4" Cable Preparation**



Digicon LCCT-SS59/11

**Compression Tool for Digicon "S"  
Series RG59/RG6 F-Connectors**



Digicon LCCT-1

## Digicon F-Connectors

- RG59 67% Braid or Tri-Shield Coax



Digicon DS59

- RG59 Tri-Shield or Quad-Shield Coax



Digicon DS59Q

- RG6 60% Braid or Tri-Shield Coax



Digicon DS6

- RG6 Tri-Shield or Quad-Shield Coax



Digicon DS6Q

# Digicon Cable Preparation

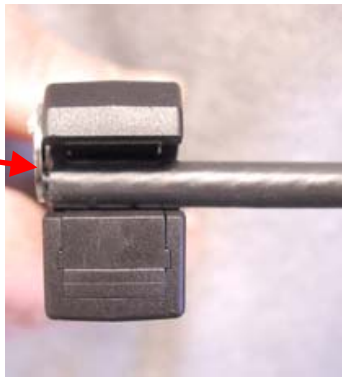
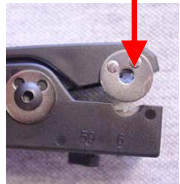
1



Cut the cable perpendicular to the length of the cable using a sharp cutting tool. A tool designed specifically for cutting coaxial cable is recommended to reduce cable distortion during the cutting process. Use care not to cut the cable at an angle.

2

Positive Stop



Use a cable stripper designed to expose 1/4" of center conductor and 1/4" of dielectric. Digicon connectors will not fit other cable preparation dimensions.

Squeeze the stripper handle to open the tool jaws, then insert the cable until it hits the positive stop. Release pressure on the stripper handle to close the tool around the cable.

3



To create the cable preparation, rotate the stripper forward three rotations around the cable, then reverse for three additional rotations. Be careful not to cut through the cable braid.

**Tip:** Use a cable stripper designed for coaxial cable and calibrated for a 1/4" x 1/4" preparation. Digicon connectors will not fit properly on other cable preparation dimensions. Do not use carpet knives, pocket knives or other tools to prepare the cable.

# Digicon Cable Preparation

4



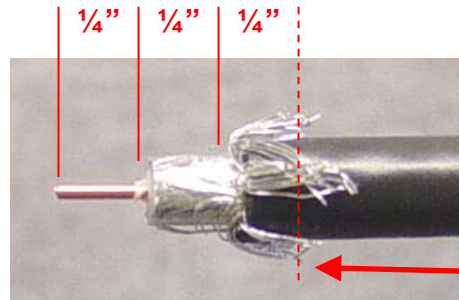
With the stripper in the closed position, pull the cable out of the tool jaws. This will properly remove the cut materials.

5



Use your fingers to carefully pull the braid back from the dielectric leaving the foil in place.

For quad shield cable, pull back the outer layer of braid, remove the outer layer of foil, then pull back the inner layer of braid. Leave the inner layer of foil around the dielectric.



**Tip:** Trim braid extending longer than 1/4".

A properly prepared cable will have:

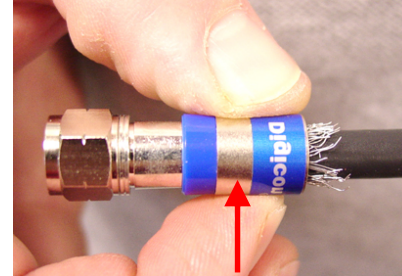
- 1/4" bare center conductor
- 1/4" foil covered dielectric
- 1/4" braid

# Digicon F-Connector Tips



Separation between nut and compression die.

When handling Digicon connectors grip the connector at the nut or between the nut and compression die.



Compression die

**DO NOT** handle uncompressed Digicon connectors by the compression die. Moving the compression die can damage the connector.



The guide is visible from the back of the connector.

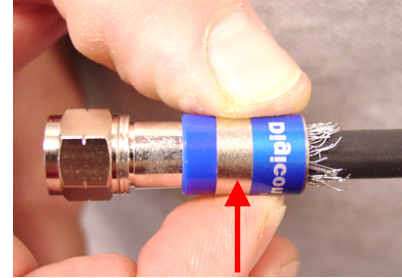
Digicon F-connectors include a temporary plastic center conductor guide. The guide aligns the cable's center conductor during cable insertion.

# Digicon F-Connector Application

1



Grip the connector at the nut or between the nut and compression die. Insert prepared cable into the connector and push firmly.



Compression die

**DO NOT** grip the connector by the compression die.

Moving the die can cause the die to separate from the ferrule.

2



Temporary Guide

The plastic center conductor guide will emerge from the end of the connector as the cable is inserted.

**Remove the plastic center conductor guide and discard.**



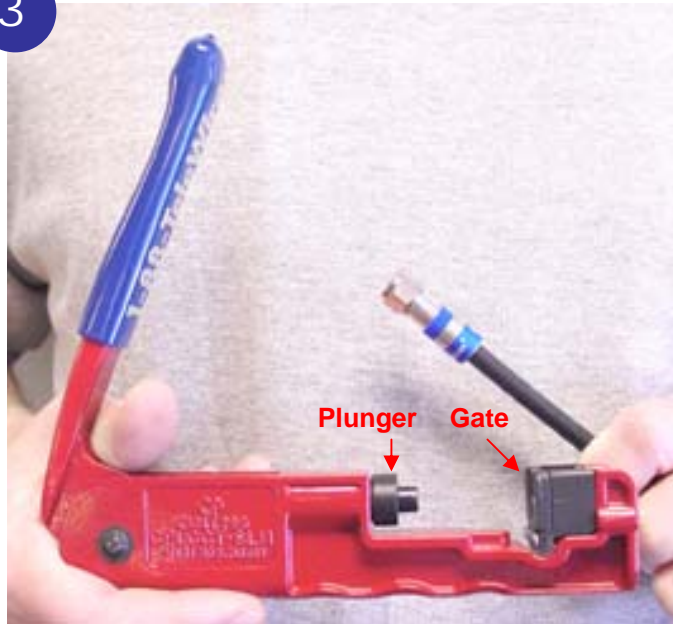
**Tip:** When the connector is properly applied, the dielectric should be flush with the internal base of the connector



**Tip:** The center conductor should protrude slightly from the end of the connector.

# Digicon F-Connector Application

3



Lift the compression tool handle to retract the plunger. The Digicon LCCT-SS59/11 gate should be up when compressing RG59 and RG6 connectors.

4



Seat the nut of the connector on the head of the plunger and lower the cable into the groove of the tool.



**Tip:** To ensure a professional connector installation, use a compression tool designed for use with Digicon "S" Series RG59/RG6 F-Connectors.

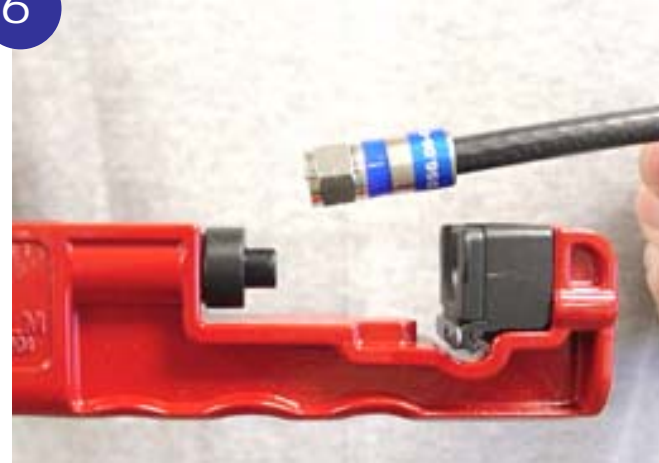
# Digicon F-Connector Application

5



Squeeze the tool handle to compress the connector onto the cable. Digicon F-connectors feature a 360° conical seal around the cable

6



Lift the tool handle to retract the plunger. Remove the finished connector assembly from the tool.



**Compressed**



**Uncompressed**