

# User Friendly Coax Connectors

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Provide visual feedback when cable is properly connected.

## Description

Add a way to indicate a good connection has been made. This can be done either mechanically or electrically.

The mechanical variant could have a slightly spring loaded connector head that moves forward as it is tightened. A red/green line is under the head; as the head is tightened the green section would appear.



Figure 1 Coax connection with color band

The electrical variant would have a led to indicate connection status. The led would turn on when the cable is tightened down enough and is receiving a signal. This means it does not need external power.

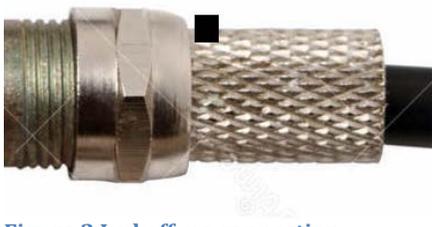


Figure 2 Led off, no connection

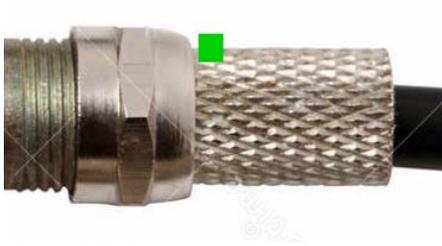


Figure 3 led on, connected

Another electrical option is to make a coax terminators/connectors more like RJ45 connectors. Ethernet has two leds, one indicates connection, the other activity. Coax connectors could have the same concept.



**Figure 4 RJ45 connector with status leds**



**Figure 5 Coax Connection with leds**