

#### Applicable Part Numbers

GF-URS-59, GF-URS-6, GF-URS-59-K, GF-URS-6-K

#### Cable Trim Tools

G-CPT-6590, G-SDT-596-250 or equivalent

#### Connector Compression Tools

G-CAT-AS, G-9000-US, G-SAR-200-US, G-CAT-UNIVERSAL-FX\*, G-8800-US\* or equivalent

## 1. CABLE PREPARATION

**Step 1:** Prepare cable with an appropriate trim tool to dimensions shown. Fold exposed braid back over jacket. Leave foil attached to dielectric. Do not score center conductor. See Figure A.

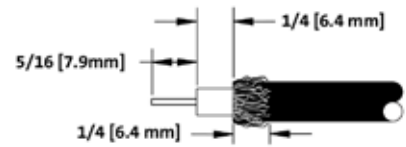


Figure A

Quad Shield Cables: Fold outer braid back over jacket, remove outer foil, fold inner braid back over jacket. See Page 2 for detailed instructions.

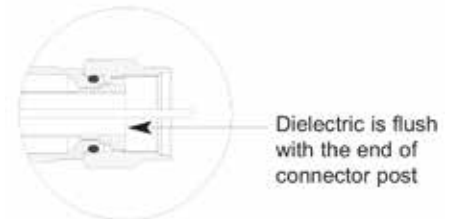


Figure B

**Step 2:** Push connector onto cable until the cable dielectric is flush with the connector post face, as shown. See Figure B. Approximately 1/8 in [3.1 mm] of center conductor will protrude beyond the end of the connector nut, as shown. See Figure C.



Figure C

**Step 3:** Slightly angle the connector/cable and insert into the compression tool area between the plunger tip and the cable gate allowing the center conductor to enter the center conductor guide. See Figure D. Push the cable into the cable gate. Compress the connector by squeezing the tool handles together until a positive stop is reached. See Figure E. At this point the compression sleeve should be compressed against the shoulder of the connector body. Remove the cable/connector from tool by opening the cable gate while removing the installed connector/cable at a slight angle.



Figure D



Figure E

## 2. INDOOR APPLICATIONS

Install connector finger tight then use a wrench to tighten to system specifications. Loose connections degrade signal quality.

### 3. OUTDOOR APPLICATIONS

UltraShield™ Connectors are weather resistant when used with a Gilbert Seal Ring and installed on a standard “F” female port meeting (ANSI/SCTE 123 2006). See Figure F.

- Push seal ring on outdoor port.
- Install connector finger tight; then use a 7/16-in wrench to tighten.

*For seal ring installation reference, see document G-1400-749.*

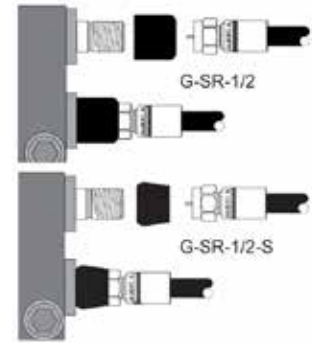


Figure F

### 4. QUAD SHIELD CABLE PREPARATION

Step 1: Prepare cable with appropriate trim tool. Be sure that the cable is inserted flush with the tool and that the arrow on the tool is pointing toward the cut end of the cable.



Step 1

Step 2: Rotate the tool several times until the “snapping” sound stops. Keeping the prep tool closed, pull it off the cable to expose the braid and center conductor.



Step 2

Step 3: Fold the outer braid back uniform and tight to the cable jacket. Use a “braid brush” if available.



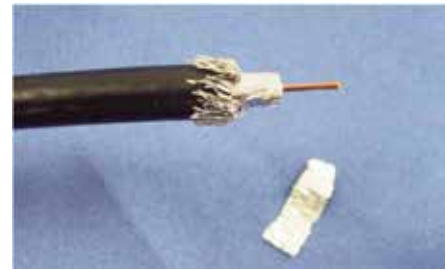
Step 3

Step 4: Remove the center foil by cutting a small nick on the foil at the parting line next to the folded braid.



Step 4

Step 5: Remove foil completely. Fold the inner braid back uniform and tight to the cable jacket. For exact dimensions, see Figure A on reverse side.



Step 5

Step 6a: Smooth the end of the foil around the core with finger rotation if it is unbonded or loose.



Step 6a

Step 6b: The nut end of the connector may also be used to smooth the foil by inserting it onto the cable and twisting or wobbling the connector.



Step 6b

Step 7: Ensure that the center post and the foil dielectric are centered before fully inserting the cable. View from the nut end if necessary.



Step 7

Step 8: Hold the cable and push the connector on with a forward twisting motion. When finished, the dielectric should be even with the inside post. See Figure B on page 1 of this installation guide. (A can wrench may be used to aid in pushing the connector on the cable.) Complete connector compression. See Step 3 on Page 2 of this installation guide.



Step 8

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## NOTES

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