

Drop Connectors

UltraRange™ 59 HEC, “F” and BNC Compression
Product Information

CORNING

Broadband
Products

Connector Specifications

BNC:

75 Ohm BNC interface with
gold plated push out pin

F male:

Male interface meets
SCTE-IPS-SP-401

Insertion Loss:

Typically <.1 dB@1GHz

Return Loss:

>30dB@1GHz

Pull Force:

>100lbs

The Corning Gilbert UltraRange™ family has grown to include two new connectors designed specifically to fit high braid headend cables. The new additions are the GF-UR-59-HEC and the GA-BNC-UR-59-HEC. The BNC connector incorporates a pop-out pin for ease of cable installation. The GF-UR-59-HEC is a male feed through type “F” connector.

The BNC connector has an innovative push out pin (patent #7,153,159) that eliminates blind entry when installing.

UltraRange™ compression technology provides 360 degrees of contact to the cable, providing excellent RF shielding integrity.

This one-piece design eliminates any loose parts. Connectorization can be performed rapidly and consistently without the risk of misalignment of multiple parts.

For information on “F” feedthru UltraRange™ for 59 and 6 series cables, see product information G-1400-662.



Materials and Construction of Connector Components

Shell & Body

C36000 Brass Alloy with Nickel Plating

Compression Ring

Black UV Resistant Polymer

Post

C36000 Brass Alloy with Bright Acid Tin Plating

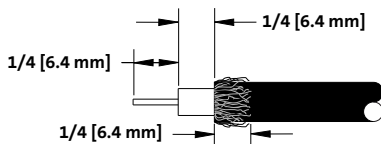
Product Features and Benefits

- 360° radial compression (Patent #7,182,639) at the connector/cable interface provides excellent RF shielding
- BNC connector is marked by a color coded label which displays “GILBERT” and the cable series
- BNC series of connectors incorporate a gold plated pop up pin to eliminate blind entry (patent #7,153,159)
- One-piece construction eliminates lost or mismatched components, all center pins are incorporated into the connector body
- One-step cable preparation using industry accepted trim tools
- Uses commonly available compression tools. “F” series connectors are compatible with existing UltraSeal® compression tools
- All exposed metal surfaces are nickel plated on BNC and “F” series connectors for superior corrosion resistance
- “F” series is compatible with industry accepted security sleeves and tooling

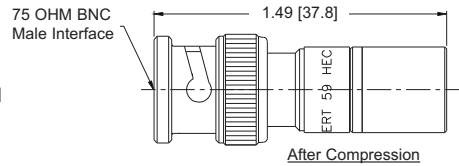
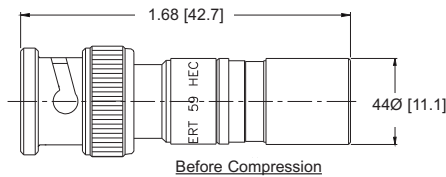
Cable Preparation

One step cable preparation of 1/4” [6.5 mm] Braid and Dielectric

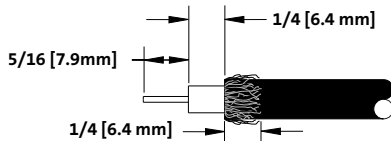
BNC Cable Preparation



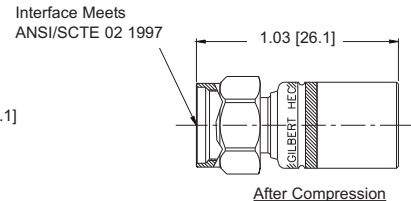
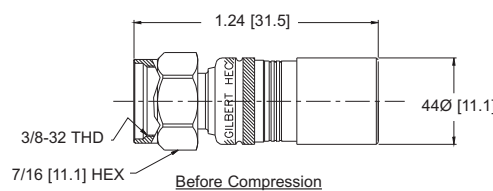
GA-BNC-UR-59-HEC



F Cable Preparation



GF-UR-59-HEC



Ordering Information

Part Number	Color Code	Cable Type	Cables	Pkg. Qty	Prep. Tool	Compression Tool
GF-UR-59-HEC	None	59 HEC	Commscope F59HEC2 Times 2241V Belden V100177 or equivalent headend cables	100 pieces	G-SDT-596-250 G-CPT-6590 or equivalent	G-CAT-MULTIMEDIA G-CAT-UNIVERSAL-FX G-CAT-AS G-CPLCCT-SLM(Silver Tip) or equivalent
GA-BNC-UR-59-HEC	Purple	59 HEC	Commscope F59HEC2 Times 2241V Belden V100177 or equivalent headend cables	50 pieces	G-SDT-596-250 G-CPT-6590 or equivalent	G-CAT-MULTIMEDIA G-CPLCCT-SLM or equivalent

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