

UltraEase™ Headend Series

BNC and Pin type “F” Connector Product Information

CORNING
Discovering Beyond Imagination

Broadband
Products

Connector Specifications

BNC:
75 Ohm BNC interface with
gold plated push out pin.

F male:
Male interface meets
SCTE-IPS-SP-401 after
installation

Insertion Loss:
Typically <.1 dB@1GHz

Return Loss:
>30dB@1GHz

Pull Force:
>45 kg.

The Corning Gilbert UltraEase™ family has grown to include two new connectors designed specifically to fit high braid headend cables. The new additions are the GAF-UE-59-HEC and the GA-BNC-UE-59-HEC. Both connectors incorporate a pop-out pin for ease of cable installation. The GAF-UE-59-HEC is a male pin type F connector.

All of these connectors have an innovative push out pin (patent pending) that eliminates blind entry when installing.

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

The UltraEase™ design gives the lowest activation force available in a high performance compression connector. 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 UltraEase™ for 59 and 6 series cables, see product information G-1400-642.



BNC

F male

Materials and Construction of Connector Components:

Body
Black UV resistant polymer

Shell & Body
C36000 Brass Alloy with nickel plating

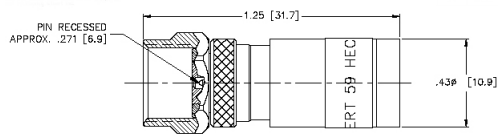
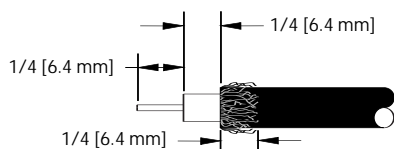
Post
C36000 Brass Alloy with bright tin plating

Product Features and Benefits

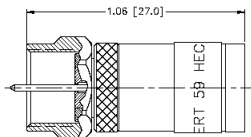
- 360° radial compression (patent pending) at the connector/cable interface provides excellent RF shielding.
- Each connector is marked by a color coded label which displays "GILBERT" and the cable series.
- Lowest activation force available in a high performance compression connector.
- All series of connectors incorporate a gold plated pop up pin to eliminate blind entry. (patent pending).
- 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® and Cabelcon CX3 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.

Cable Preparation

One step cable preparation of 1/4 "[6.5 mm] Braid and Dielectric and 1/4": [8.0 mm] center conductor

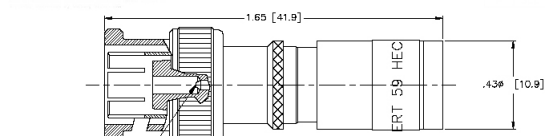


BEFORE COMPRESSION

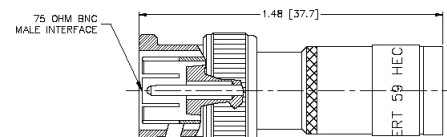


AFTER INSTALLATION AND COMPRESSION

F male



BEFORE COMPRESSION



AFTER INSTALLATION AND COMPRESSION

BNC

Ordering Information

Part Number	Color Code	Cable Type	Cables	Pkg. Qty	Prep. Tool	Compression Tool
GAF-UE-59-HEC	Purple	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-UNIVERSAL-FX G-CAT-AS, Cabelcon CX3 G-CPLCCT-SLM(Silver Tip) or equivalent
GA-BNC-UE-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-CPLCCT-SLM or equivalent

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Broadband Products

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For information on "F" feedthru UltraEase for 59 and 6 series cables, see product information G-1400-642