

Drop Connectors

[UltraRange Compression Connectors](#)

[UltraEase Compression Connectors](#)

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ULTRARANGE® COMPRESSION CONNECTORS



The UltraRange is a high performance universal compression connector, covering a wide range of cable braid. From the 59 series to the 11 series, its superior performance enhancing features include:

- Free-spinning nut that enables quick and easy threading with minimal effort (on 59 & 6 Series connectors)
- 360° contact to cable, resulting in excellent RF shielding integrity
- One-piece construction to eliminate waste from lost components
- One-step cable preparation using industry-accepted tools
- Thread starting guide
- UR11 multi-hex connector can be used with 7/16 or 9/16 wrench



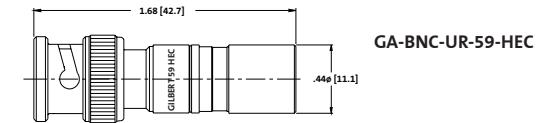
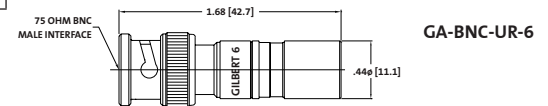
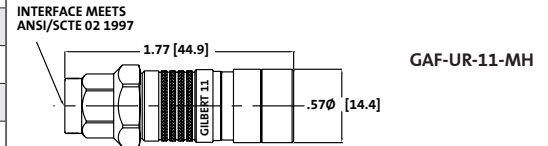
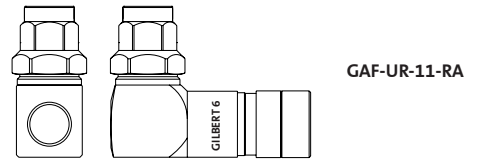
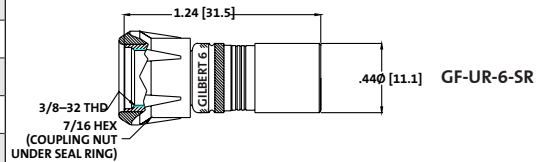
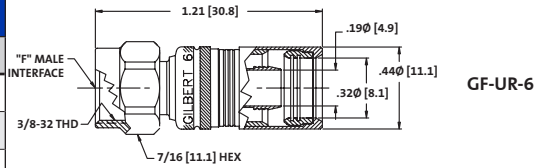
ULTRARANGE® COMPRESSION CONNECTORS

UltraRange® 59 and 6 Compression

Part Number	Outdoor	Color Code	Cable Type	Braid Coverage
GF-UR-59	✓	Green	Series 59	60% to Quad
GF-UR-59-SR	✓	Green	Series 59	60% to Quad
GF-UR-59-K	✓	Green	Series 59	60% to Quad
GF-UR-59-HEC		Purple	Series 59 Headend	
GF-UR-6	✓	Black	Series 6	60% to Quad
GF-UR-6-SR	✓	Black	Series 6	60% to Quad
GF-UR-6-K	✓	Black	Series 6	60% to Quad
GF-UR-6-PL		Orange	Series 6 Plenum	*

Patent No: 7018235, 7182639 and 5975951

* Fits cable models: CommScope 2275K, 2275V & 2275K; Belden 6339Q8 & 9116P



UltraRange® 11 Compression

Part Number	Outdoor	Color Code	Cable Type	Braid Coverage
GAF-UR-11-MH	✓	Black	Series 11	60% to Quad
GAF-UR-11-PL		Orange	Series 11 Plenum	*
GAF-UR-11-MH-SR	✓	Black	Series 11	60% to Quad
GAF-UR-11-RA	✓	Black	Series 11	60% to Quad
GAF-UR-11-RA-SR	✓	Black	Series 11	60% to Quad

* Fits cable models: CommScope 2285K & 2287K; Belden 1523AP & 7999AP

UltraRange® 59 and 6 BNC Compression

Part Number	Color Code	Cable Type	Braid Coverage
GA-BNC-UR-6	Gold	Series 6	60% to Quad
GA-BNC-UR-59	Green	Series 59	60% to Quad
GA-BNC-UR-59-HEC	Purple	Series 59 Headend	

Key

K = Knurled SR = Seal Ring PL = Plenum MH = Multi-Hex

Recommended Tools for UltraRange® Installation

Connector Type	Prep Tool	Compression Tool
UltraRange 59 & 6	G-CPT-6590	G-CAT-UNIVERSAL-FX, G-CAT-AS, G-CAT-AS-FX, G-CAT-Multimedia
UltraRange 6 Plenum**	G-CPT-6590-PL	G-CAT-UNIVERSAL-FX, G-CAT-AS, G-CAT-AS-FX, G-CAT-Multimedia
UltraRange 11 MH	G-CPT-1100	G-CAT-AS, G-CAT-AS-FX
UltraRange 11 Plenum**	G-CPT-1100-PL	G-CAT-AS, G-CAT-AS-FX
UltraRange 11 RA	G-CPT-1100	G-CAT-AS, G-CAT-AS-FX
UltraRange BNC	G-CPT-6590	G-CAT-MULTIMEDIA

* Note: See pages 9-3 through 9-6 for additional tool information

**GF-TOOL-1/4H and GF-TOOL-MH are also recommended for ease of installation; see pg 9-6

Cable Preparation

- Series 59 & 6 Cables
- Series 11 Cables

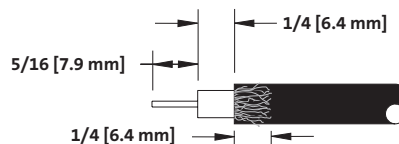


Figure (1)

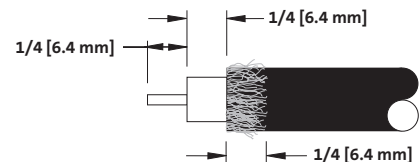


Figure (2)



The UltraEase is a high performance, weather resistant compression connector with one of the easiest compression activation force available in the market today. UltraEase advantages include:

- Patented post forward design to ensure proper installation
- Self-correcting cable insertion
- Three-point sealing system
- Tin-plated post for excellent corrosion resistance



ULTRAEASE® COMPRESSION CONNECTORS

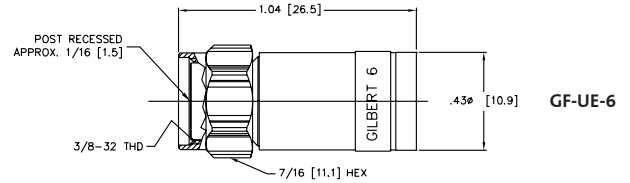
UltraEase® 59 and 6 Compression

Part Number	Color Code	Cable Type	Braid Coverage
GF-UE-59	Black	Series 59	60% to Tri Shield
GF-UE-59-SR	Black	Series 59	60% to Tri Shield
GF-UE-59Q	Green	Series 59	Quad
GF-UE-59Q-SR	Green	Series 59	Quad
GF-UE-6	Gold	Series 6	60% to Tri Shield
GF-UE-6-SR	Gold	Series 6	60% to Tri Shield
GF-UE-6Q	Silver	Series 6	Quad
GF-UE-6Q-SR	Silver	Series 6	Quad

Patent No: 6790081, 5975591, 6887102

Key

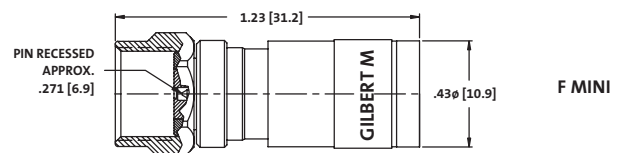
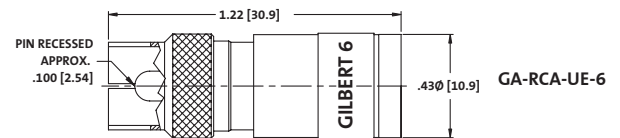
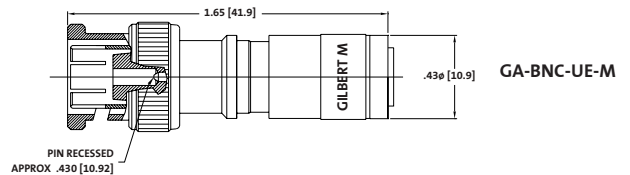
SR = Seal Ring



UltraEase® BNC, RCA & Pin Type F Compression

Part Number	Color Code	Cable Type	Braid Coverage
GAF-UE-M	Red	Series Mini	60% to Tri Shield
GAF-UE-MQ	Orange	Series Mini	Quad
GA-RCA-UE-59	Black	Series 59	60% to Tri Shield
GA-RCA-UE-59Q	Green	Series 59	Quad
GA-RCA-UE-6	Gold	Series 6	60% to Tri Shield
GA-RCA-UE-6Q	Silver	Series 6	Quad
GA-RCA-UE-M	Red	Series Mini	60% to Tri Shield
GA-RCA-UE-MQ	Orange	Series Mini	Quad
GA-BNC-UE-M	Red	Series Mini	60% to Tri Shield
GA-BNC-UE-MQ	Orange	Series Mini	Quad

Patent No: 7153159, 7303435, 7153159



Recommended Tools for UltraEase® Installation*

Connector Type	Prep Tool	Compression Tool
UltraEase 59 & 6	G-CPT-6590	G-CAT-UNIVERSAL-FX, G-CAT-AS, G-CAT-AS-FX
UltraEase M	G-LDT-MINI	G-CAT-MULTIMEDIA
UltraEase RCA	G-CPT-6590	G-CAT-MULTIMEDIA
UltraEase BNC	G-CPT-6590	G-CAT-MULTIMEDIA

* Note: See pages 9-3 and 9-4 for additional tool information

Cable Preparation

- (1) Series 59 & 6 Cables
- (2) Series 11 Cables

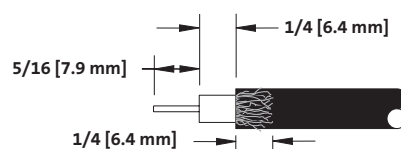


Figure (1)

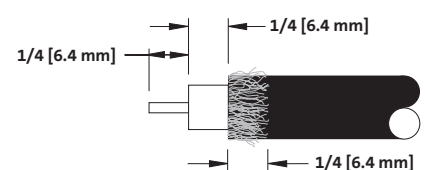


Figure (2)

HEX CRIMP CONNECTORS



Corning Gilbert's hex crimp connectors include the Gilbert 360 connectors, USA and AHS connectors. Benefits include:

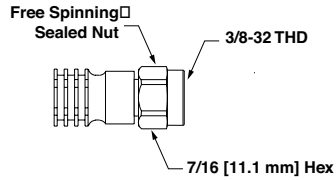
- One-piece construction
- Uses standard hex crimp tools
- Brass construction nickel plated



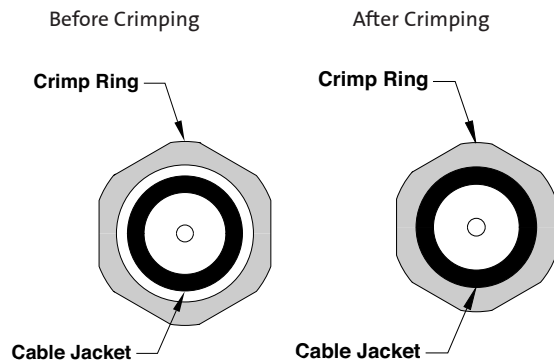
HEX CRIMP CONNECTORS

Series 56 and 6

Part Number	Cable Type	Crimp Size
GF-360-6	Series 6	.360 Hex
GF-360-6Q	Series 6 Quad	.360 Hex



Inside diameter of crimp ring stays round after crimping to provide a seal to the cable jacket



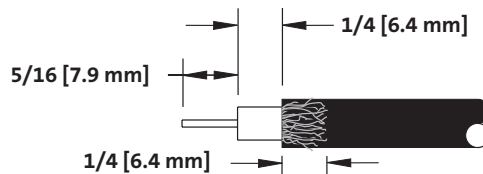
Recommended Tools

Connector Type	Prep. Tool	Crimp Tool (HEX Cavity)
Series 6 & 59	G-CPT-6590	G-CRT-USA-AL (.360)
See tool section for additional tool information		



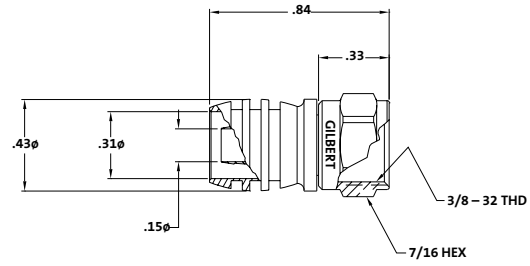
Cable Preparation

Series 59 and 6 cables



USA F Male

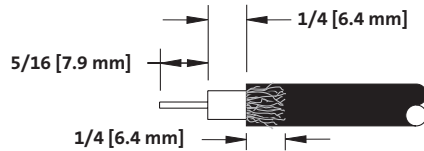
Part Number	Cable Type	Crimp Size
GF-59-AHS/USA	60% - Quad	.360 Hex
GF-6-AHS/USA	60% - Quad	.360 Hex



Recommended Tools

Connector Type	Prep. Tool	Crimp Tool (HEX Cavity)
Series 59	G-CPT-6590	G-CRT-USA-AL (.360)
Series 6	G-CPT-6590	G-CRT-USA-AL (.360)

See page 9-6 for additional tool information

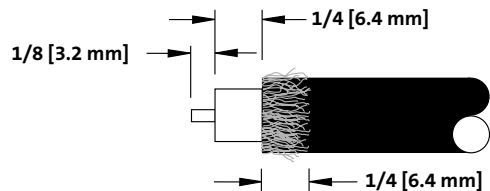
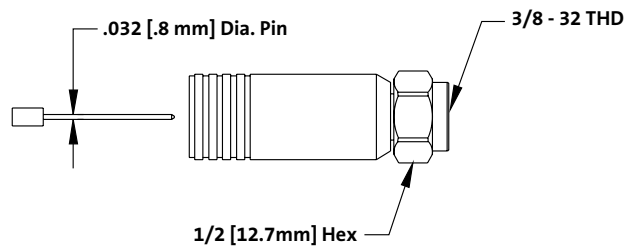


Cable Preparation

Series 59 and 6 cables

AHS Series 11 Crimp-On Pin

Part Number	Crimp Size	Braid Coverage
GF-11-AHS/460	.100 & .475 Hex	Up to 90%



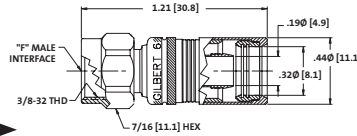
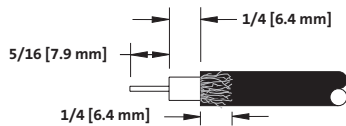
Cable Preparation

Series 11 Crimp-On Pin Connector

SERIES 59 AND 6 INSTALLATION

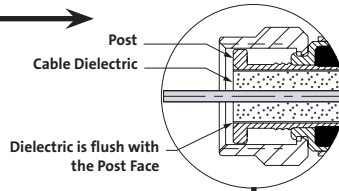
UltraRange® Connector Installation

Cable Preparation



UltraEase® Connector Installation

Prepare cable with an appropriate tool to dimensions shown. Fold exposed braid back over jacket. Leave foil attached to dielectric. **(Don't Score Center Conductor)**. For Quad Shield Cables: Fold outer braid back over jacket, remove outer foil, fold inner braid back over jacket.



Push connector onto cable until dielectric is flush with the support post face.

Push connector onto cable until dielectric is flush with the support post face.

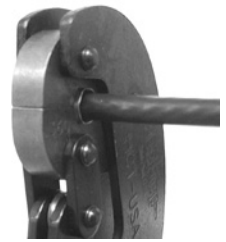
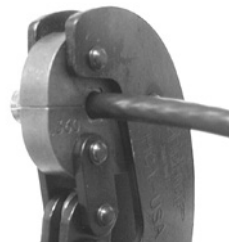
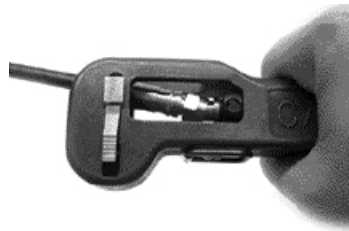
Connector Activation

UltraEase®

UltraRange®

360

USA



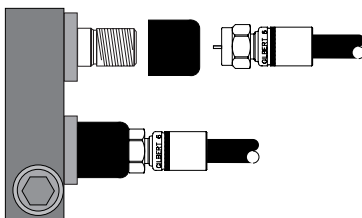
Insert connector/cable into the compression tool. Compress the connector until positive stop is reached.

Insert connector/cable into the compression tool. Compress the connector until positive stop is reached.

Place connector into the jaws of the .360 hex crimp tool. Make sure the hex of the crimp ring is aligned with the hex of the jaws of the crimp tool. Align the end of the connector crimp ring flush with the edge of the crimp tool jaws. Crimp the connector until a positive stop is reached.

Place connector into the jaws of the .360 hex crimp tool. Align the end of the connector crimp ring flush with the edge of the crimp tool jaws. Crimp the connector until a positive stop is reached.

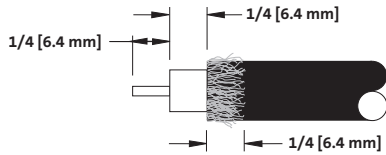
Outdoor Applications



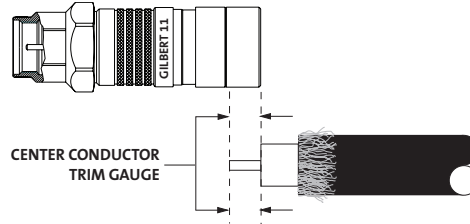
- Push seal ring (G-SR-1/2-S) onto outdoor port
- Install connector finger tight
- Using a 7/16 wrench, tighten to system specifications

SERIES 11 INSTALLATION

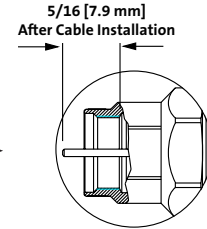
Cable Preparation



Conductor Trim Verification



Cable Insertion



Push connector onto cable.

NOTE: The UltraRange® connector pin moves outward as cable is inserted.

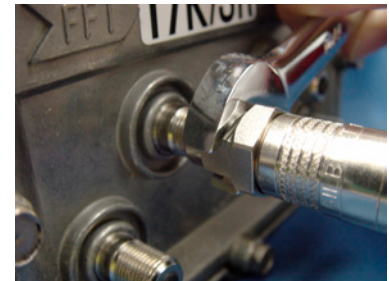
UltraRange®



Insert connector/cable into the compression tool. Compress the connector until positive stop is reached.

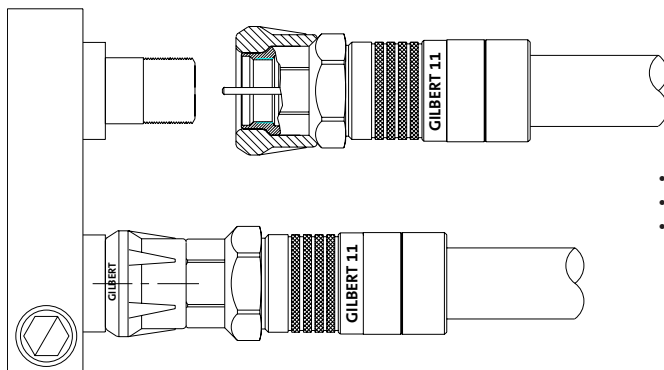


Finger tighten onto female port.



Use either a 7/16 or 9/16 wrench and tighten to system specifications.

Outdoor Applications



- Push seal ring (G-SR-1/2-5) onto outdoor port
- Install connector finger tight
- Using a 7/16 or 9/16 wrench, tighten to system specifications