

Drop Connectors

UltraRange® 11 Compression, Multi-Hex Product Information

Corning
Gilbert

Connector Specifications

Moisture Migration:

Meet SCTE interface moisture migration test (SCTE IPS TP 013)

Return Loss:

>30 dB @ 1GHz

Insertion Loss:

<0.08 dB @ 1GHz

Pull Force:

80 Lbs typical on 60% braid cable; higher braid coverage increases pull force.

Port Interface:

Meets SCTE IPS SP 401 recommended "F" port interface specification

This UltraRange® Series, GAF-UR-11-MH connector, is a multiple hex, high performance, sealed compression connector. Its design incorporates a combination 7/16" and 9/16" nut (patent pending). The 7/16" hex is designed for use with a standard torque wrench, while the larger hex is used with a security sleeve. The 9/16" hex also improves the grip on the nut when threading onto ports. Together with the connector's free-spinning nut—which seals when tightened—and the thread starting guide, the UltraRange 11 Multi-Hex connector installs faster with greater reliability.

The connector's unique compression design accommodates 60% through quad shield braid coverage cables with a single connector, minimizing inventory. Connectorization is performed quickly and consistently without the risk of misalignment of multiple parts.

Upon inserting the cable, the connector pin fully extends, providing a visible confirmation that the cable is properly seated in the connector. This feature eliminates time and material waste. The connector center pin remains retracted prior to installation, protecting it from the rigors of shipping and handling.

The UltraRange compression technology provides 360 degrees of contact to the cable, resulting in excellent RF shielding integrity and a complete seal to the cable jacket to lock out moisture.



Materials and Construction of Connector Components

Body, Compression Ring and Nut:
Brass Alloy with Ni Plating

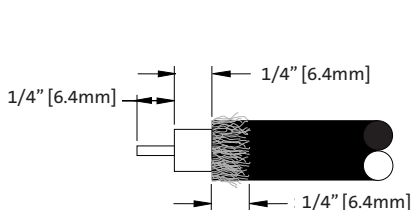
Post:
Brass Alloy with bright acid tin plating

Gripping Member:
Black UV resistant polymer

Pin:
Bright acid tin plated brass

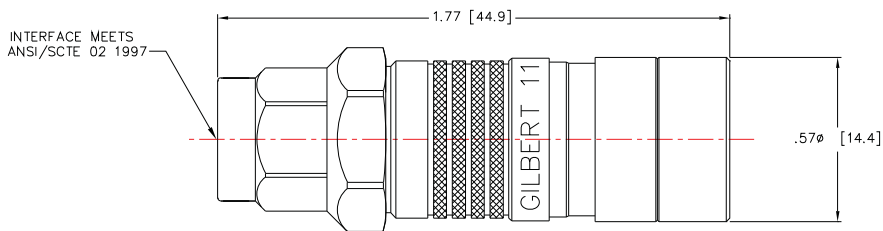
Cable Preparation

One step cable preparation of 1/4" [6.4 mm] Braid and Dielectric and 1/4" [6.4 mm] center conductor.



Product Features and Benefits

- Combination 7/16" & 9/16" nut may be tightened using a standard 7/16 torque wrench and/or 9/16 security sleeve tool
- Free-spinning, sealed nut design (patent pending) permits the nut to spin freely for easy installation; the o-ring seals when nut is tightened
- Sealing system passes the SCTE interface moisture migration test (SCTE IPS TP 013)
- Center pin extends, giving a visible indication of proper cable insertion
- Nickel-plated exterior for excellent corrosion resistance
- One-piece construction eliminates lost components
- One step cable preparation
- 360° radial compression (*Patent # 7,018,235*) at the connector/cable interface provides excellent RF shielding and prevents moisture migration
- One connector for both indoor and outdoor applications
- Uses commonly available compression tools
- Cable center conductor trim guide permanently marked on connector
- Cable series permanently marked on connector for easy identification
- For outdoor applications, the Gilbert Seal Ring (G-SR-1/2) will prevent moisture from entering the connector/equipment interface on ports which meet SCTE IPS SP 400



Ordering Information

Part Number	Cable Type	Braid Coverage	Prep. Tool	Compression Tool
GAF-UR-11-MH	Series 11	60% to Quad shield	G-CPT-1100	G-CAT-AS*

* Includes: Plunger Tip with Green Colored Band, Gauge Block, Allen Wrench

Corning Gilbert Inc.
Broadband Products

5310 W. Camelback Rd.
Glendale, AZ 85301 U.S.A.

phone: 800 528 5567 (U.S. and Canada)
(1) 623 245 1050 (International)

fax: 800 344 6358
(1) 623 931 0684

website: www.corning.com/corninggilbert
e-mail: info-gilbert@corning.com