

# Drop Connectors

## UltraRange™ 59 and 6 Compression with Hex/Knurl Nut Product Information



Broadband  
Products

### Connector Specifications

**Moisture Migration:**  
Passes SCTE interface  
moisture migration test  
(SCTE IPS TP 013)

**Shielding Effectiveness:**  
Better than -80 dB

**Pull Force:**  
Exceeds SCTE  
pull force requirements on all  
recommended cables

**Port Interface:**  
Meets SCTE IPS SP 401  
recommended "F" port  
interface specification

Sealed hex/knurl nut  
withstands 60-in lbs of torque

The UltraRange™ K Series is a high performance sealed compression "F" connector, featuring a hex/diamond knurl nut.

Its unique design aids the installation by increasing torque applied to the connector, particularly in situations where only finger tightening is allowed. This design allows the nut to spin freely yet seal out moisture when tightened.

A free spinning nut makes installation faster and more reliable. This compression connector series combines ease of installation over a wide range of braid coverages with superior performance features.

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

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



**Materials and Construction of Connector Components**

**Body, Compression Ring and Nut:**  
Brass Alloy with Nickel Plating

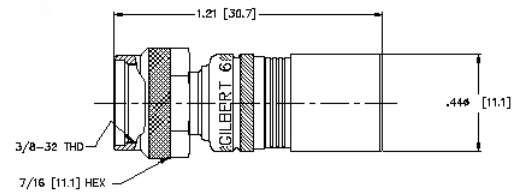
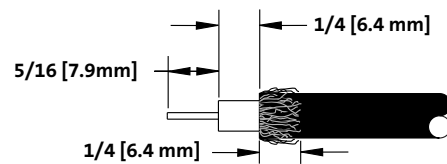
**Post:**  
Brass Alloy with Bright Acid Tin Plating

**Gripping Member:**  
Black UV Resistant Polymer

**Product Features and Benefits**

- Sealing system passes the SCTE interface moisture migration test (SCTE IPS TP 013)
- Hex/Knurl nut design for improved torque when finger-tightened (*patent pending*)
- A free-spinning sealed nut design (*Patent #5975951*) permits the 7/16" nut to spin freely for easy installation. The o-ring seals when nut is tightened
- 360° radial compression (*patent pending*) at the connector/cable interface provides excellent RF shielding and prevents moisture migration
- Exposed components constructed of Nickel-plated Brass
- One-piece construction eliminates lost components
- One connector for both indoor and outdoor applications
- One-step cable preparation
- Uses commonly available compression tools
- Cable series permanently marked on connector for easy identification
- The Gilbert UltraRange is weather resistant when used with the Gilbert Seal Ring (G-SR-1/2) and installed on a standard "F" Female port (ANSI/SCTE SP 400 1996)

**Cable Preparation**  
One step cable preparation of 1/4 "[6.5 mm ] Braid and Dielectric and 5/16: [8.0 mm ] center conductor.



**Ordering Information**

Part Number	Cable Type	Braid Coverage	Pkg. Qty	Prep. Tool	Compression Tool
GF-UR-59-K	Series 59	60% to Quad	100 Pieces	G-CPT-6590	G-CAT-UNIVERSAL-FX
				G-SDT-596-250	G-CAT-AS
					G-8800-US
					G-9000-US
GF-UR-6-K	Series 6	60% to Quad	100 Pieces	G-CPT-6590	G-CAT-UNIVERSAL-FX
				G-SDT-596-250	G-CAT-AS
					G-8800-US
					G-9000-US

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