



TWiN Lock™ Knurl/Hex Compression Connectors

RG6 Universal Knurl/Hex Combo F-Connectors



Features

- Knurl/Hex Nut Combination for both hand and torque wrench tightening
- Anti-vibration gasket
- Terminate 75Ω Series 6 or 6Q coax
- One-step compression process
- Defeats ingress/egress at the connector
- Meets SCTE-IPC and Bellcore requirements
- Overcomes forward reflection
- Reduces impedance problem with radial design
- Unique TWiN Lock™ connection and internal O-ring provides superior protection against moisture
- Creates two full 360° compression connections (one interior and one exterior)

Product Description

Our TWiN Lock™ series of compression connectors has added an all new RG6 Knurl and Hex Nut combination F-connector with a built-in anti-vibration feature. These features not only provide options for installation with the Knurl and Hex Nut combo, but also deliver proven reliability and eliminating truck rolls. The built-in anti-vibration gasket secures the connector to the F-ports eliminating worry over connectors loosening up over time while also providing an additional barrier for complete water migration blockage.

Specifications

Cable Types ----- Terminate 75Ω Series 6 or 6Q coax

Braid Coverage Range ----- 60% tri through quad shield

Jacket Types ----- PVC, PE and Plenum

Electrical Requirements

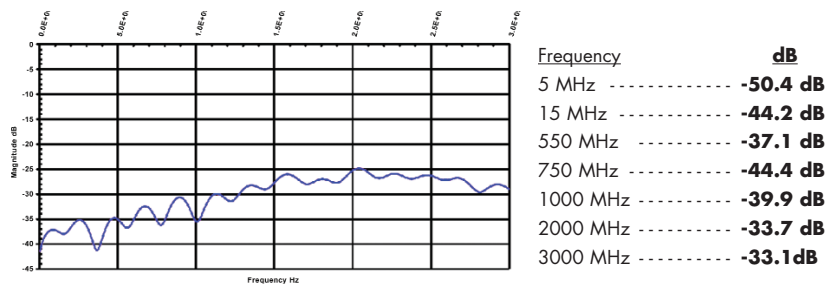
Insulation Resistance ----- >5000 MΩ @ 100 Vdc

Dielectric Strength ----- <1 KVac for 1 minute

Shielding Effectiveness ----- >95 dB to 300 MHz
>70 dB to 1 GHz

Insertion Loss ----- <0.1 dB to 350 MHz
<0.2 dB to 700 MHz
<0.3 dB to 1 GHz

Return Loss:



Lower return loss (dB) equates to less reflection through the connector while maintaining signal strength

Mechanical Requirements

Body Material ----- Brass with Nickel plating

Corrosion Resistant ----- BLCR GR-1503 Conforming materials

Cable Application ----- <20 lbs max insertion

Cable Interface ----- >60 lbs pull force

Equipment Interface ----- >10 matings without damage
>60 in-lbs without damage

Temperature Cycling with Humidity --- +70° F to +140° F to -40° F

Loosening Torque ----- >30 in-lbs after 3 days

Environmental Contaminants ----- Exceeds BLCR GR-1503 4.5-4.10 Standards
Exceeds SCTE IPS-TP-013Standards

Ordering Information



TWiN Lock™ F-connectors

Part #	Description
TL6U-KH	TWiN Lock™ knurl/hex combo compression F-connector w/ anti-vibration gasket, RG6 Universal



TWiN Lock™ Tools

Part #	Description
TL-TOOL	TWiN Lock™ Compression Tool, includes removable tip for different connector types
SPSA	Coax Cable Stripper, adjustable RG59/RG6 quad shield stripper with RG6 flaring tool



Specifications subject to change without notice. Copyright 2010. Original: 01/10