

Amphenol®

TFC

INNOVATIVE SHIELDING SOLUTIONS

QC II Connectors

QC II Compression F Connector

The QC II is a universal compression connector that is ideally suited for professional and consumer use. Its one-piece design provides a secure 360 degree compression seal resulting in maximum RF shielding performance.

The QC II's all metal design of the connector body and nut allow for unparalleled electrical and mechanical performance. The advanced polymer compression system is pre-positioned to ensure a consistent fit with the cable and is color coded to allow differentiation between different cable series.



Features

- One piece, all metal design
- Universal - Works on Standard, Trishield, and Quadshield cables
- Detachably coupled, color coded advanced polymer compression system
- Triple internal weather sealing prevents moisture from entering cable without the use of external weather grommet
- Provides shielding of up to -120 dB at CATV frequencies
- Standard 5/16 - 1/4 cable preparation using industry standard preparation tools
- Works with all industry standard compression tools
- Works with all industry standard security sleeve and tightening devices

Shielding Solutions for the CATV Market




QuickShield® Continuous Ground Feature

- Prevents signal ingress and egress by maintaining ground plane even when connector is in a loosened state
- All metal connector build enables highly effective external mounting of continuous grounding member
- Triple internal weather sealing creates an air-tight mechanical seal, even when the continuous ground feature is engaged. No external grommets necessary

Scan the QR code to visit the QC II microsite to download drawings, specifications and view the training module.

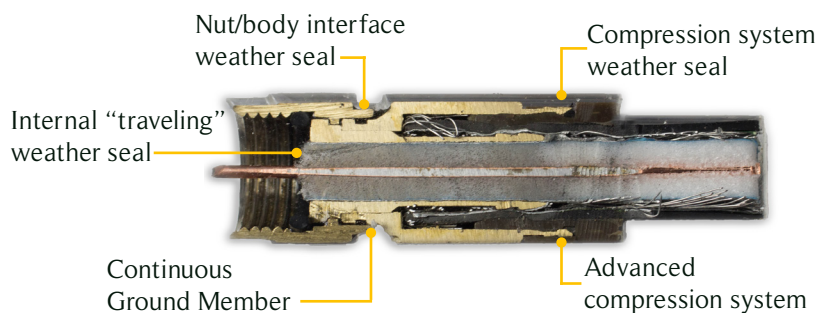


QC II Compression F Connectors and Technical Specifications

Product Image	Part Number	Part Number Description
	TFC-QC2QS-06U-3	QC II for Series 6 Universal, Standard through Quadshield Cable with Internal Weatherseal and QuickShield® continuous ground feature
	TFC-QC2-06U-3	QC II for Series 6 Universal, Standard through Quadshield Cable with Internal Weatherseal
	TFC-QC2QS-59U-3	QC II for Series 59 Universal, Standard through Quadshield Cable with Internal Weatherseal and QuickShield® continuous ground feature
	TFC-QC2-59U-3	QC II for Series 59 Universal, Standard through Quadshield Cable with Internal Weatherseal
	TFC-QC2QS-11U-3	QC II for Series 11 Universal, Standard through Quadshield Cable with Internal Weatherseal and QuickShield® continuous ground feature
	TFC-QC2-11U-3	QC II for Series 11 Universal, Standard through Quadshield Cable with Internal Weatherseal

QuickShield® Continuous Ground Benefits

- Triple internal weather sealing technology creates and maintains an airtight seal
- Externally mounted continuous ground member eliminates costly service calls due to issues such as, digital tiling and pixelation, which are typically caused by loose connectors.
- One connector fits all braid coverage options, standard through quad-shield.



QC II Technical Specifications

Electrical	Limits (Meets or Exceeds)
Return Loss	> 30 dB (5-10002MHz)
Insertion Loss	< 0.1 dB (to 350 MHz)
	< 0.2 dB (to 700 MHz)
	< 0.3 dB (to 1 GHz)
Shielding Effectiveness	> 100 dB (to 300 MHz)
	> 90 dB (to 1 GHz)
Dielectric Strength	> 1.0 kVAC for 1 minute
Insulation Resistance	> 5000 Meg-Ω@ 100 VDC

Mechanical	Limits (Meets or Exceeds)
Corrosion Resistant	1000 hours
Cable Interface	> 40 lbf
Equipment Interface	> 10 matings w/o damage
	> 60 in-lbs w/o damage
Temperature Cycling with Humidity	70°F to 140°F to -40°F Must pass 3.2.3 spec after 7 days
Moisture Migration	No Dye Penetration
Salt Fog	Return Loss > 30 dB @ 1 GHz (after exposure 1000 hours)
Environmental Pollutants	Return Loss > 30 dB @ 1 GHz (after exposure)
Vibration	Loosening Torque > 32 in•lbs
Chemical Resistance Outdoor	7 Days Exposure
UV Degradation	7 Days Exposure
Ozone Degradation	70 Hour Exposure

Test Procedures:

ANSI/SCTE 123 2006, Telcordia™ GR-1503 3.5.4, Telcordia™ GR-1503 3.5.3, Telcordia™ GR-1503 3.5.5, Telcordia™ GR-1503 3.5.2, Telcordia™ GR-1503 3.5.1, Telcordia™ GR-1503 3.2.3, Telcordia™ GR-1503 3.2.4, Telcordia™ GR-1503 4.1, ANSI/SCTE 64 2004, Telcordia™ GR-1503 4.4, 1000 hrs, Telcordia™ GR-1503 4.5, Telcordia™ GR-1503 4.6, Telcordia™ GR-1503 4.7, Telcordia™ GR-1503 4.8, Telcordia™ GR-1503 4.10

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations. Specifications subject to change without notice. All Rights Reserved.

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