

Amphenol®

TFC

INNOVATIVE SHIELDING SOLUTIONS

QC II Connectors

QC II QuickTorque® F Connector

The QC II is available with the patented QuickTorque® feature utilizing an ergonomic, plastic, hexagonal design. Once terminated, consumers and technicians can easily hand tighten the connector to optimal torque values without using a wrench. The non-removable gripping mechanism is incorporated into the connector body and cannot be removed, significantly reducing the risk of consumer injury from dangerously small parts. As well as, providing an insulated connection that protects technicians and homeowners from any current carried on the coaxial cable.



QC II F Connector 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

Shielding Solutions for the CATV Market



QuickTorque® Features

- Ergonomic hexagonal shape with superior, tight torque connections yielding between 6-10 in-lbs of torque, on average, when hand tightened
- Gripping mechanism cannot be removed
- Narrow design ideal for tight spaces
- Built for consumer and professional use
- Available with patented QuickShield® continuous ground feature

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



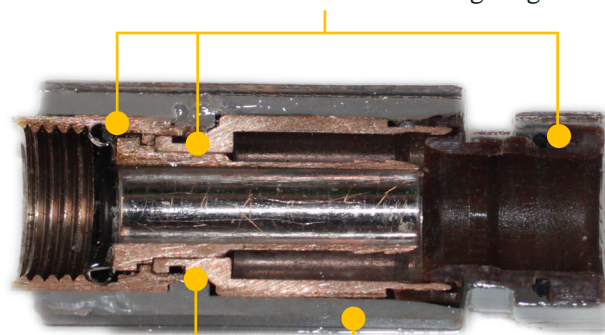
QC II QuickTorque® Connectors

Product Image	Part Number	Part Number Description
	TFC-QC2TQS-06U-3	QC II with QuickTorque® feature for Series 6 Universal, Standard through Quadshield Cable with Internal Weatherseal and QuickShield® continuous ground feature
	TFC-QC2TQS-59U-3	QC II with QuickTorque® feature for Series 59 Universal, Standard through Quadshield Cable with Internal Weatherseal and QuickShield® continuous ground feature

QuickTorque® Benefits

- Dual barbed post improves ease of installation and retention
- Continuous ground feature virtually eliminates costly service calls caused by loose connector issues such as pixelation and digital tiling

Triple internal weather sealing prevents corrosive elements from entering cable system, even when connector is less than finger tight



Continuous ground feature

Permanent overmold increases tightening torque and cannot be purposely or accidentally removed

QC II Technical Specifications

Electrical	Limits (Meets or Exceeds)
Return Loss	> 30 dB (5-1000 MHz)
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

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

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