



Digicon®

Type II Compression Connectors



Features

- High performance sealed F-connector
- Exceeds SCTE and Telcordia™ specifications
- Conical, 360° compression sleeve provides a superior environmental seal
- Digiseal® sleeves provide added environmental protection

Application

Digicon is a unique, trouble-free F-connector system that enhances your ability to deliver flawless analog and digital RF communications. Using a 360° conical “swedge” compression, Digicon delivers a high performance termination in your network.

Specifications

Cable Types

Series	Braid Coverage	Jacket Types	Application
59, 59Q, 59BNC, 6, 6Q, 7, 11, 11Q	60% Through Quad	PVC, PE, Ad Plenum	Indoor/Outdoor

Mechanical

Requirements	Specifications	Limits	Test Results
Corrosion Resistant	Telcordia™ GR-1503 3.2.1	Conforming Materials	Exceeds
Cable Application	Telcordia™ GR-1503 3.2.2	<20 lbs. Max Insertion	Exceeds
Cable Interface	Telcordia™ GR-1503 3.2.3	>40 lbs. Pull Force	Exceeds
Equipment Interface	Telcordia™ GR-1503 3.2.4	>10 Matings without Damage >60 in./lbs. without Damage	Exceeds
Temperature Cycling with Humidity	Telcordia™ GR-1503 4.1	70 °F to 140 °F to -40 °F Must Pass 3.2.3 Specifications After 7 Days	Exceeds
Loosening Torque	Telcordia™ GR-1503 4.2	>30 in./lbs. After 3 Days of 4.1	Exceeds
Moisture Migration	SCTE IPS-TP-013	No Dye Penetration	Exceeds
Salt Fog	Telcordia™ GR-1503 4.4	Return Loss >30dB @ 1 GHz	Exceeds
Environmental Pollutants	Telcordia™ GR-1503 4.5	Return Loss >30dB @ 1 GHz	Exceeds
Vibration	Telcordia™ GR-1503 4.6	Loosening Torque >32 in./lbs	Exceeds
Chemical Resistance Outdoor ¹	Telcordia™ GR-1503 4.7	7 Days Exposure	Exceeds
UV Degradation ¹	Telcordia™ GR-1503 4.8	7 Days Exposure	Exceeds
Ozone Degradation ¹	Telcordia™ GR-1503 4.10	70 Hours Exposure	Exceeds

Electrical

Requirements	Specifications	Limits	Test Results
Insulation Resistance	Telcordia™ GR-1503 3.5.1	>5,000 megohms @ 100 V dc	Exceeds
Dielectric Strength	Telcordia™ GR-1503 3.5.2	>1 kV ac for 1 Minute	Exceeds
Insertion Loss	Telcordia™ GR-1503 3.5.3	<0.1dB to 350 MHz <0.2dB to 700 MHz <0.3dB to 1 GHz	Exceeds Exceeds Exceeds
Return Loss	Telcordia™ GR-1503 3.5.4	>30dB to 1 GHz	Exceeds
Shielding Effectiveness	Telcordia™ GR-1503 3.5.5	>95dB to 300 MHz >70dB to 1 GHz	Exceeds Exceeds

Note 1: Samples will not exhibit cracking, swelling or brittleness. Digicon connectors were tested to meet SCTE-IPS and Telcordia™ specifications.

Where both organizations have specifications for the same requirement, Digicon connectors were tested to the more rigorous requirement.

Specifications are subject to change without notice.

Type II Splice Connectors



RG11 Splice



RG6 Splice

Ordering Information

Digicon Type II Connectors

ARRIS #	Mfg #	Description	Std Pkg
Connectors			
718168	D2-59U	RG59/59Q ^{1,2}	100/bag
718169	D2-6	RG6 ¹	100/bag
718170	D2-6Q	RG6Q ²	100/bag
718171	D2-6U	RG6/6Q	100/bag
718172	D2-59QHEC	Headend 59Q ³	100/bag
209625	D-11WR	RG11 (pin) ^{1,5}	5/pack
208806	F-59 MINI	Mini 59Q ^{4,7}	100/bag
718173	D2-59URCA	RG59/59Q ⁶	50/bag
718295	DS-59QHEC-2RCA	RG59 HEC2 for Headend Cable	50/bag
718174	D2-6URCA	RG6/6Q ⁶	50/bag
Splices			
212639	D-6SP	RG6 ^{1,5}	5/pack
212480	D-11SP	RG11 ^{1,5}	5/pack
Compression Tools - Type II			
716939	LCRTC-1	Comp. Tool for RG59/59Q, 6/6Q, and Headend 59Q	each
202482	202480-1	Comp. Tool for RG59/59Q, 6/6Q, and Headend 59Q	each
208807	RTC360-MINI	Comp. Tool for Mini 59Q	each
252996	RTC-TH	Toggle Helper - Toggle Cover for RG59/6 Compression Tool	each
210861	RTC-O	O-Ring for RG59/6 Compression Tool	100/bag

Note 1: Fits cable with braid percentage up to 90% and tri-shield.

Note 2: Fits quad-shield cable.

Note 3: Fits CommScope F59HEC-2 cable.

Note 4: Fits TFC MI21G9V or CommScope 0446 cable.

Note 5: Wrench type - no compression tool needed.

Note 6: RCA connectors for use with LCRTA-1 (716939) compression tool.

Note 7: Requires RTC360-mini compression tool, (208807).

Type II Connectors



RG59/59Q



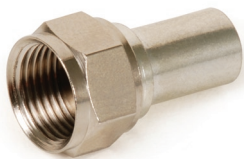
RG6



RG6/6Q



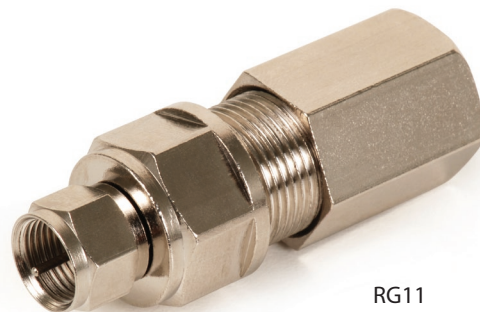
Headend 59Q



Mini 59Q



D6



RG11

Type II Compression Connectors

Ordering Information (cont'd)

Accessories

ARRIS #	Mfg #	Description	Std Pkg
Cable Preparation Tools			
716472	PSA59/6	Prep Tool for RG59/59Q, 6/6Q, and Headend 59Q Cable with Adjustable blades and Built-in Flaring Tool	each
716473	PSAC59/6	Replacement Blade for PSA59/6	each
202478	PSR59/6	Prep Tool for RG59/59Q, 6/6Q, and Headend 59Q Cable	each
253003	PSR11	Prep Tool for RG11 and 7 Cable	each
211784	PSC11	Replacement Blade for RG11 Prep Tool	each
209411	45-526	Prep Tool for Mini 59Q Cable	each
704520	45-524	Replacement Blade for Mini 59Q Prep Tool	each
209727	PSR-STOP	Replacement Stop Plate for RG59/6 Prep Tool	10/pack
209713	FIT-6	Flaring and Insertion Tool, RG6	each
707207	FIT-11	Flaring and Insertion Tool, RG11	each
202481	RTC POUCH	Tool Pouch — Holds a Compression Tool with a Prep Tool	each
Digiseal™ Sealing Sleeves			
202476	DIGISEAL-BLK-SHT	Short — Fits 3/8" Ports	100/bag
202477	DIGISEAL-BLK-LNG	Long — Fits 1/2" Ports (Regal Products)	100/bag



Digiseal™ Sealing Sleeves



Compression Tool for Digicon Type II Connectors



Cable Preparation Tool with adjustable blades and integrated flaring tool

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