



Digicon® Connectors



Features

- High performance sealed F-connector
- Exceeds SCTE and Telcordia™ specifications
- Conical, 360° compression sleeve provides a superior environmental seal
- Connectors fit Series 59, 6, 7 and 11 cables
- Unique compression tools for all Digicon connector types
- 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.

For installation versatility, there are two versions of the Digicon connector — the Type II and the “S” series. Both versions feature identical specifications and performance capabilities and both connectors terminate utilizing the same conical “swedge” technology.

In the Type II, the die that creates the “swedge” is located in the tool, while the “S” series die is resident in the connector itself. Additionally, the “S” series connectors are color coded for quick identification. Both connectors provide the ultimate weather-tight termination with unbeatable performance and reliability.

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 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 Outdoor1	Telcordia™ GR-1503 4.7	7 Days Exposure	Exceeds
UV Degradation1	Telcordia™ GR-1503 4.8	7 Days Exposure	Exceeds
Ozone Degradation1	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: 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.

"S" Series F-Connectors



Ordering Information

Digicon Connectors - "S" Series

ARRIS #	Mfg #	Description	Std Pkg
F-Connectors			
708858	DS-59	RG59 ¹	100/bag
708859	DS-59Q	RG59Q ²	100/bag
712684	DS-59U	RG59 Universal	100/bag
708860	DS-6	RG6 ¹	100/bag
708861	DS-6Q	RG6Q ²	100/bag
712685	DS-6U	RG6 Universal	100/bag
709856	DSRA-6	RG6 Right Angle ¹	50/bag
710233	DS-6PL	RG6 Plenum	100/bag
703752	DS-7P	RG7P (pin) ¹	50/bag
705122	DS-7QP	RG7 Quad Shield (pin) ²	50/bag
702252	DS-11	RG11 (pin) ¹	50/bag
709007	DS59Q-HEC2	Headend 59Q ³	100/bag
702450	DS-59Q-MINI	Mini 59Q ⁴	100/bag
713571	DS-320T	MDU 320	25/bag
BNC Connectors			
214338	DS-BNC-59Q	BNC 59Q ³	50/bag
702024	DS-BNC-9167	BNC 59Q ⁵	50/bag
702251	DS-BNC59Q-MINI	BNC Mini 59Q ⁴	50/bag
707226	DS-BNC59-MINI	BNC Mini 59	50/bag
720018	DS-59BNCU	BNC 59U	50/bag
720019	DS-6BNCU	BNC 6U	50/bag
RCA Connectors			
716269	DS-59URCA	RCA RG59 ²	50/bag
716270	DS-6URCA	RCA RG6 ²	50/bag
716304	DSRCA-BAND-BLUE	RCA Connector Identification Band, Blue	50/bag
716305	DSRCA-BAND-GREEN	RCA Connector Identification Band, Green	50/bag
716306	DSRCA-BAND-RED	RCA Connector Identification Band, Red	50/bag
716307	DSRCA-BAND-WHITE	RCA Connector Identification Band, White	50/bag
716308	DSRCA-BAND-YELLOW	RCA Connector Identification Band, Yellow	50/bag
716309	DSRCA-BAND-BLACK	RCA Connector Identification Band, Black	50/bag

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

Note 3: Fits CommScope F59HEC-2 cable

Note 5: Fits Belden 9167 cable

Note 2: Fits quad-shield cable

Note 4: Fits TFC MI21G9V or CommScope 0446 cable

BNC Connectors



BNC Mini 59

BNC Mini 59Q

BNC 59Q

BNC 59Q

BNC 59U

BNC 6U

RCA Connectors



RG6

RG59

Digicon Connectors

Ordering Information (cont'd)

Tools & Accessories

ARRIS #	Mfg #	Description	Std Pkg
Compression Tools - "S" Series			
213859	LCCT-1-S	RG59, 59Q, 6, 6Q, Headend 59Q, and Mini 59Q	each
214339	LCCT-L	BNC 59Q and BNC Mini 59Q	each
716841	LCCT-SS59/11	RG59, 59Q, 6, 6Q, 7, 7P, 7QP, 11 Headend 59Q, and Mini 59Q, Steel	each
712573	LCCT-SLM	RG59, 59Q, 6, 6Q, Headend 59Q, Mini 59Q, Right Angle RG6, and RCA	each
Cable Preparation Tools			
716472	PSA59/6	Prep Tool for RG59/59Q, 6/6Q, and Headend 59Q Cable w/Adjustable blades and Built-in Flaring Tool	each
716473	PSAC59/6	Replacement Blade for PSA59/6	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
Accessories			
202476	DIGISEAL-BLK-SHT	Short — Fits 3/8" Ports	100/bag
202477	DIGISEAL-BLK-LNG	Long — Fits 1/2" Ports (Regal Products)	100/bag
787803	DROPSAVER	Drop Saver Connector	100/bag

Compression Tools for "S" Series Digicon Connectors



LCCT-SS59/11

User friendly, compact and lightweight design

Throw position reduces necessary compression force



LCCT-L

Connector holding mechanism ensures secure compression every time

Cable Prep Tools



Flaring and Insertion Tool



Cable Preparation Tool with adjustable blades and integrated flaring tool

Accessories



Drop Saver Connector protects the drop from moisture migration



Digiseal™ Sealing Sleeves

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