

DIGICON® "S" SERIES COMPRESSION CONNECTORS



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.

BENEFITS

- 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
- Universal multi tool for 59, 6, 7 and 11 series connectors
- Digiseal® sleeves provide added environmental protection

ORDERING INFORMATION

Digicon Connectors - "S" Series	Unit	Model #	Part #
RG-59 ¹	100/bag	DS-59	708858
RG-59Q ²	100/bag	DS-59Q	708859
RG-59 Universal	100/bag	DS-59U	712684
RG-6 ¹	100/bag	DS-6	708860
RG-6Q ²	100/bag	DS-6Q	708861
RG-6 Universal	100/bag	DS-6U	712685
RG-6 Right Angle ¹	50/bag	DSRA-6	709856
RG6 Plenum	100/bag	DS-6PL	710233
RG-7 ¹	50/bag	DS-7	703665
RG-7P (pin) ¹	50/bag	DS-7P	703752
RG-7 Quad Shield (pin) ²	50/bag	DS-7QP	705122
RG-11 (pin) ¹	50/bag	DS-11	702252
Headend 59Q ³	100/bag	DS59Q-HEC2	709007
Mini 59Q ⁴	100/bag	DS-59Q-MINI	702450
BNC 59Q ³	50/bag	DS-BNC-59Q	214338
BNC 59Q ⁵	50/bag	DS-BNC-9167	702024
BNC Mini 59Q ⁴	50/bag	DS-BNC59Q-MINI	702251
BNC Mini 59	50/bag	DS-BNC59-MINI	707226

Compression Tools - "S" Series

RG-59, 59Q, 6, 6Q, Headend 59Q, and Mini 59Q	each	LCCT-1	213859
RG-7, 7P, 7QP and 11	each	LCCT-F11/7	702446
BNC 59Q and BNC Mini 59Q	each	LCCT-L	214339
RG-59, 59Q, 6, 6Q, 7, 7P, 7QP, 11 Headend 59Q, and Mini 59Q	each	LCCT-S59/11	705659
RG-59, 59Q, 6, 6Q, 7, 7P, 7QP, 11 Headend 59Q, Mini 59Q and RCA	each	LCCT-LM	712573

ACCESSORIES

Cable Preparation Tools

Cable Preparation Tools	Unit	Model #	Part #
Prep Tool for RG-59/59Q, 6/6Q, and Headend 59Q Cable	each	PSR59/6	202478
Prep Tool for RG-11 and 7 Cable	each	PSR11	253003
Prep Tool for Mini 59Q Cable	each	45-526	209411
Replacement Blade for RG-59/6 Prep Tool	each	PSC59/6	202479
Replacement Blade for RG-11 Prep Tool	each	PSC11	211784
Replacement Blade for Mini 59Q Prep Tool	each	45-524	704520
Flaring and Insertion Tool, RG-6	each	FIT-6	209713
Flaring and Insertion Tool, RG-11	each	FIT-11	707207

Digiseal® Sealing Sleeves

Short — Fits 3/8" Ports	100/bag	DIGISEAL-BLK-SHT	202476
Long — Fits 1/2" Ports (Regal Products)	100/bag	DIGISEAL-BLK-LNG	202477

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: Fits Belden 9167 cable
Note 6: Wrench type - no compression tool needed

"S" Series Connectors

RG-6 Blue RG-6Q Green RG-59 Red RG-59Q Yellow RG-11 Black RG-7P White RG-7QP Green RG-7, 7Q White BNC Red BNC-Mini Yellow RCA White Digiseal™ Sealing Sleeve

Cable Preparation Tool

User friendly, compact and lightweight design

Connector holding mechanism ensures secure compression every time

Compression Tool For "S" Series Digicon Connectors

Throw position reduces necessary compression force

DIGICON® "S" SERIES COMPRESSION CONNECTORS



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 >30 dB @ 1 GHz	Exceeds
Environmental Pollutants	Telcordia™ GR-1503 4.5	Return Loss >30 dB @ 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	<0.1 dB to 350 MHz <0.2 dB to 700 MHz <0.3 dB to 1 GHz	Exceeds Exceeds Exceeds
Return Loss	Telcordia™ GR-1503 3.5.4	>30 dB to 1 GHz	Exceeds
Shielding Effectiveness	Telcordia™ GR-1503 3.5.5	>95 dB to 300 MHz >70 dB 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.