

DIGICON® TYPE II 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 - Type II

Description	Unit	Model #	Part #
RG-59/59Q ^{1,2}	100/bg.	D-59 TYPE-II	253119
RG-6 ¹	100/bg.	D-6 TYPE-II	253120
RG-6Q ²	100/bg.	D-6Q TYPE-II	209364
RG-11 (pin) ^{1,6}	5/pk.	D-11WR	209625
Headend 59Q ³	100/bg.	D-6Q59N4	209106
Mini 59Q ³	100/bg.	F-59 MINI	208806

Splices - Type II

RG-6 ^{1,6}	5/pk.	D-6SP	212639
RG-11 ^{1,6}	5/pk.	D-11SP	212480

Compression Tools - Type II

Comp. Tool for RG-59/59Q, 6/6Q, and Headend 59Q	each	202480-1	202482
Comp. Tool for Mini 59Q	each	RTC360-MINI	208807
Toggle Helper - Toggle Cover for RG-59/6 Compression Tool	each	RTC-TH	252996
O-Ring for RG-59/6 Compression Tool	100/bg.	RTC-O	210861

ACCESSORIES

Cable Preparation Tools

Description	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

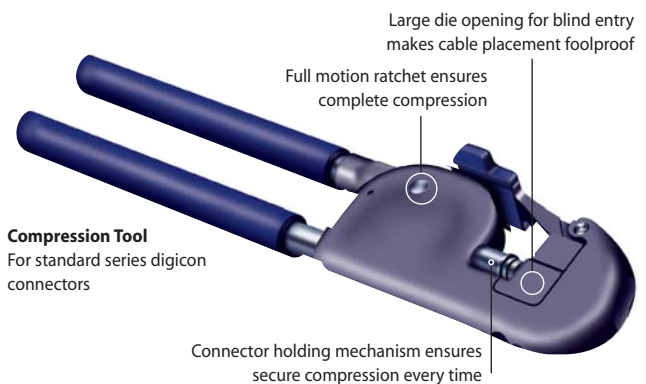
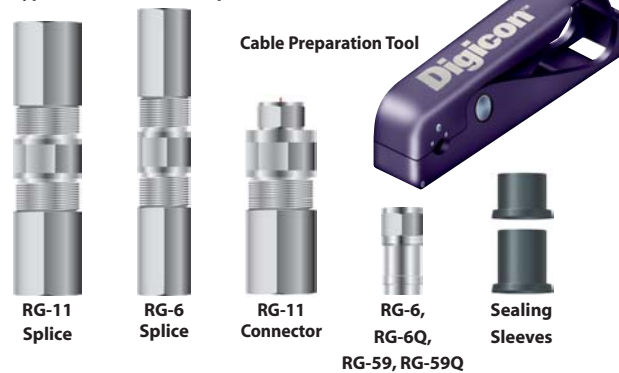
Short — Fits 3/8" Ports	100/bag	DIGISEAL-BLK-SHT	202476
Long — Fits 1/2" Ports (Regal Products)	100/bag	DIGISEAL-BLK-LNG	202477

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 Belden 9167 cable ("S" Series only)

Note 5: Fits TFC MI21G9V or CommScope 0446 cable
Note 6: Wrench type - no compression tool needed

Type II Connectors and Splices



DIGICON® TYPE II 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	Exceeds
		<0.2 dB to 700 MHz	Exceeds
		<0.3 dB to 1 GHz	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	Exceeds
		>70 dB to 1 GHz	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.