

COAXICON Contacts (Continued)

Size 5 and 8 Contacts

Performance Characteristics for size 5 contacts

Nominal Impedance — 50 ohms

Frequency Range — 0 to 500 MHz

Operating Temperature — -85°F to +329°F [-65°C to +165°C]

Operating Voltage (Rated) — 325 VAC rms, 60 Hz

Contact Resistance (Milliohms) —

Size 5 with RG 58/U cable:

Center Contact — 10

Outer Contact — 1.5

Insulation Resistance —

5,000 megohms min. @ 500 vdc per MIL-STD-1344, Method 3003 or MIL-STD-202, Method 302, Cond. B

Dielectric Withstanding Voltage (60 Hz, rms) —

Sizes 5 with RG 58/U and 316/U cable:

750 - Sea Level

350 - 50,000 ft [15 240 m]

VSWR — 1.3 to 1.0 @ 500 MHz

Insertion/Withdrawal Force —

Size 5:

Insertion Force Maximum		Withdrawal Force Minimum	
lb	[N]	lb	[N]
5	22.24	1	4.45

Cable Retention —

Sizes 5:

60 lb [266.9 N]

Durability — 500 cycles

Thermal Shock — per MIL-STD-1344, Method 1003, Cond. A or MIL-STD-202, Method 107, Cond. A

Physical Shock — per MIL-STD-1344, Method 2004, Cond. A or MIL-STD-202, Method 213, Cond. A

Vibration — per MIL-STD-1344, Method 2005, Cond. IV or MIL-STD-202, Method 204, Cond. D

Moisture Resistance — per MIL-STD-202, Method 106, omit steps 7a and 7b

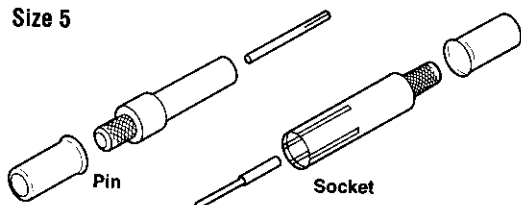
Salt Spray — 48 hours per MIL-STD-1344, Method 1001, Cond. B or MIL-STD-202, Method 101, Cond. B

Material and Finish

Contact — Beryllium copper per ASTM-B-196/ASTM-B-197, Brass per ASTM-B-16, TEFLON per ASTM-D-1710, Gold plate per MIL-G-45204, Nickel plate per QQ-N-290

Ferrule — Copper per ASTM-B-188, tin plate per ASTM-B-545

Size 5



Size 5
Extraction Tool
Part Number 91074-1

Rack and Panel Connectors

Contact Size	RG/U Cable	Contact Part No.		"O" Crimp Tooling			Military Hex Crimp Tooling			
				Center Contact			Center Contact		Ferrule	
		Pin	Socket	Tool (M22520/)	Positioner/ Die	Ferrule	Tool (M22520/)	Die (M22520/)	Tool (M22520/)	Die (M22520/)
0 Crimp										
5	58C	225790-1	225791-1	601966-1 (2-01)	1-601966-6 K345	91905-1*	—	—	—	—
	400, 142, 142A, 142B	225790-2	225791-2	91904-1*	—	91905-1*	—	—	—	—
	141A	225790-1	225791-1	91904-1*	—	91905-1*	—	—	—	—
	402 Semi-Rigid .141 [3.58]	225790-3	225791-6	91904-1*	—	91905-1*	—	—	—	—
	174, 188, 316	225790-5	225791-3	601966-1 (2-01)	1-601966-6 K345	91905-1*	—	—	—	—
	180, 195	225790-4	225791-8	601966-1 (2-01)	1-601966-6 K345	91905-1*	—	—	—	—
	179, 187	225790-6	225791-4	601966-1 (2-01)	1-601966-6 K345	91905-1*	—	—	—	—
	178, 196	225790-7	225791-5	601966-1 (2-01)	1-601966-6 K345	220020-1	—	—	—	—
	223	225790-2	225791-2	601966-1 (2-01)	1-601966-6 K345	91905-1*	—	—	—	—
Military Hex Crimp										
5	316 Double Shield 188 Double Shield	225790-8	1-225791-0	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(Y159)
	58C, 141A	447850-1	447851-1	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(5-45B)
	142, 142A, 142B	447850-2	447851-2	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(5-45B)
	402 Semi-Rigid .141 [3.58]	447850-3	447851-3	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(5-45A)
	174, 188, 316	447850-4	447851-4	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(5-37B)

* SDE die used with hand tool

* SDE die used with hand tool frame 354940-1.