

MIL-E-QUAL® ELECTRICAL CURRENT RATING CHART FOR CONNECTORS & CABLE ASSEMBLIES

Contact Size	Conductor Size - AWG	Number of Conductors	Current Rating	
#12	#12	1 through 3	23.0A	
		4 through 6	17.0A	
		7 through 9	13.0A	
#12	#14	1 through 3	17.0A	
		4 through 6	12.75A	
		7 through 9	11.0A	
#12	#16	1 through 3	13.0A	
		4 through 6	9.75A	
		7 through 9	8.45A	
#16	#16	1 through 3	13.0A	
		4 through 6	9.75A	
		7 through 10	8.45A	
		10 through 20	5.85A	
		21 through 30	4.55A	
		31 and up	3.9A	
	#18	#18	1 through 3	10.0A
			4 through 6	7.5A
			7 through 9	6.5A
#18	#18	10 through 20	4.5A	
		21 through 30	3.5A	
		31 and up	3.0A	
#20	#20	1 through 3	7.5A	
		4 through 6	5.6A	
		7 through 9	4.8A	
		10 through 20	3.4A	
		21 through 30	2.62A	
		31 and up	2.3A	

TOOLING

Contact Insertion & Removal Tools

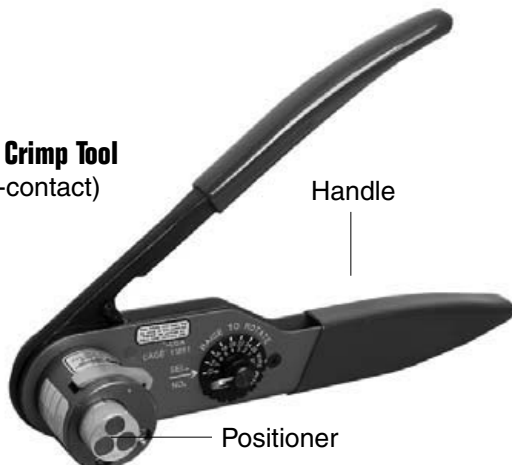


356-XXX Bits



356-1 Handle

Manual Crimp Tool
(Multi-contact)



Handle

Positioner

Manual Crimp Tool
(Single Purpose)



Locator

Handle

TOOLING

Contact Insertion/Removal Tools

Con-X Series	Connector Size	Contact Size	Insertion Bits Pins or Sockets	Handle for Bits
	2-7 contacts	#12 .093" (2.4)	356-12	356-1
	2-10 contacts	#16 .062" (1.6)	356-16	356-1
	2-31 contacts	#20 .040" (1)	356-20	356-1

MIL-E-QUAL Series	Connector Size	Contact Size	Insertion Bits Pins or Sockets	Handle for Bits
	All Mil-E-Qual	#12 .093" (2.4)	356-12	356-1
	Connector Sizes	#16 .062" (1.6)	356-16	356-1

Product not designed to remove contacts after insertion. Consult factory for removal tools.

Manual Contact Crimping Tools

Con-X Series	Contact Size	Handle for Tool	Description	Contact Positioners for Tools
	#12, #16, & #20	359-24	Multi Contact Tool	357-124
	#20 Only	359-21	Single Purpose Tool	357-122

MIL-E-QUAL Series	Contact Size	Handle for Tool	Description	Contact Positioners for Tools
	#12 .093" (2.4)	359-24	Hand Crimp Tool	358-112
	#16 .062" (1.6)	359-24	Hand Crimp Tool	358-112

Pneumatic Crimping Tools - Consult Factory

Contact Crimping and Assembly Procedures:

- A. Push cable through connector components, i.e. backshell, grommet, sleeve, and coupling ring.
- B. Wire preparation: Strip cable to dimensions shown. Make all cuts square and sharp being careful not to nick wires when cutting. To prevent stranded wires from fraying it is recommended that ends be tightly twisted and not solder dipped.

Conductor Strip Lengths

CON-X	MIL-E-QUAL
#20 -3/16	#16 -9/32
#16 -7/32	#12 -7/32
#12 -7/32	



Cable Stripping

- C. Contact crimping tools, use as follows:
 - Assemble contact locator to tool.
 - Check tool setting for wire gage to be crimped.
 - Drop contacts, mating end first into locator so that it rests fully on bottom. Insert stripped lead into contact barrel until it stops.
 - Close tool handles completely in one stroke. (The ratchet will not release jaws until tool has completed cycle.)
 - Inspect crimp to be sure there are no loose strands outside the contact which may short out to an adjacent contact.
- D. Contact insertion tools. Place wired contact into proper connectors cavity. Guide tip of the insertion tool so that it starts at the contact and slides down against the stop. Apply a steady force perpendicular to the contact until it snaps into position.