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

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

# **Tooling**

# Manual Crimp Tool (Multi-contact) Handle Positioner Contact Insertion & Removal Tools 356-XXXX Bits 356-1 Handle 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 Connector Sizes
 #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

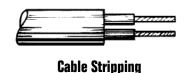
### **Pneumatic Crimping Tools - Consult Factory**

### **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**

MIL-E-QUAL			
#16 -9/32 #12 -7/32			



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☐ 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.