

INCH-POUND

MIL-W-5088L
 AMENDMENT 1
 9 December 1992

MILITARY SPECIFICATION

WIRING, AEROSPACE VEHICLE

This amendment forms a part of MIL-W-5088L, dated 10 May 1991, and is approved for use by all Departments and Agencies of the Department of Defense.

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Table I: Delete and substitute:

TABLE I. Current ratings of wires 1/
 (See 3.8.8.1, 3.8.1.1, 3.8.8.3)

Conductor Material	Wire Size	Continuous duty current (Amperes) <u>2/</u> Wires in bundles, groups or harnesses		
		Wire Temperature Rating		
		105°C	150°C	200°C
Copper or Copper Alloy	22	3	5	6
	20	4	7	9
	18	6	9	12
	16	7	11	14
	14	10	14	18
	12	13	19	25
	10	17	26	32
	8	38	57	71
	6	50	76	97
	4	68	103	133
	2	95	141	179
	1	113	166	210
	1/0	128	192	243
	2/0	147	222	285
	3/0	172	262	335
	4/0	204	310	395
Aluminum <u>3/</u>	8	30	45	
	6	40	61	
	4	54	82	
	2	76	113	

AMSC N/A

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FSC GDRQ

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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TABLE I. Current ratings of wires - Continued.

Conductor Material	Wire Size	Continuous duty current (Amperes) 2/ Wires in bundles, groups or harnesses		
		Wire Temperature Rating		
		105°C	150°C	200°C
	1	90	133	
	1/0	102	153	
	2/0	117	178	
	3/0	138	209	
	4/0	163	248	

- 1/ Current rating of wire reterminating hardware is not covered by this table (see 3.8.8.1.2).
- 2/ Current ratings for wire in this table are based on 33 or more wires for sizes 26 through 10 and 9 wires for size 8 and larger operating at 60,000 feet altitude, an ambient temperature of 70°C and with no more than 20 percent of harness current capacity used.
- 3/ The use of these wires requires procuring activity approval.

Custodians:
Army - CR
Air Force - 85

Review activities:
Air Force - 11, 17, 19, 99

User activities:
Army - ME, AV

Preparing activity:
Navy - AS

(Project GDRQ-0137)