

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) ^{2/} 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 ^{3/} | 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

Preparing activity:
Navy - AS

(Project GDRQ-0137)

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

User activities:
Army - ME, AV