DETAIL SPECIFICATION SHEET

RECEPTACLE, PLUG, ELECTRICAL, 15 - AMPERE, 125 - VOLT, BLADED TYPE, GROUNDED (SYMBOL NO. 1218.3)

Reactivated after 20 June 2004 and may be used for new and existing designs and acquisitions.

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-2726.

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ±.016 (0.41mm).

FIGURE 1. Plug assembly.
SELECT PACKING ASSEMBLY TO SUIT CABLE DIAMETER

<table>
<thead>
<tr>
<th>CABLE DIA</th>
<th>BUSHING &quot;D&quot; HOLE</th>
<th>USE PACKING ASSEMBLY Part or Identifying Number (PIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>.400 - .440</td>
<td>.415</td>
<td>M2726/50-004-1</td>
</tr>
<tr>
<td>.440 - .520</td>
<td>.470</td>
<td>M2726/50-004-2</td>
</tr>
<tr>
<td>.520 - .560</td>
<td>.550</td>
<td>M2726/50-004-3</td>
</tr>
</tbody>
</table>

Inches mm
.400 10.16
.415 10.54
.440 11.18
.470 11.94
.520 13.21
.550 13.97
.560 14.22

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± .016 (0.41mm) and ± .5° on angles.

FIGURE 2. Instruction sheet.
NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± .016 (0.41mm) and ± 0.5° on angles.

FIGURE 3. Retainer cap.
NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± .016 (0.41mm) and ± .5° on angles.

FIGURE 4. Plug body.
NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± .016 (0.41mm) and ± .5° on angles.

FIGURE 5. Plug tip assembly.
NOTES
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ±0.010 (0.25 mm) per linear inch, whichever is greater.
4. Angular dimensions are ±0°30’.
5. Tube size 6.

MIL-DTL-2726/38D

REQUIREMENTS

Dimensions and configurations: See figures 1, 2, 3, 4, 5 and 6.

Effectiveness of enclosure: Watertight in accordance with MIL-STD-108 when coupled with mating receptacle.

Strain relief: 30 pounds.

Material: Plug body and retainer cap – molded polycarbonate (yellow) in accordance with ASTM-D3935; plug tip assembly (contact insulation) shall be molded polycarbonate (yellow) in accordance with ASTM-D3935 or in accordance with ASTM-D5948 type MAI-60 (yellow).

Stuffing cap: Color shall be yellow and material may be polyamide (nylon) or polycarbonate (see figure 6).

Terminals shall be furnished with wire retainers and binding head screws. Ground screw shall be hexagonal head and shall be finished in a distinctive green color. Ground contact shall be nickel-plated.

Packing assemblies: MIL-DTL-2726/50, PIN M2726/50-004-1
M2726-50-004-2, M2726-50-004-3 shall be furnished with the plug assembly. User shall select size that most nearly fits the cable as shown on figure 2.


Test cables: In accordance with MIL-DTL-24643 and MIL-DTL-24643/3 use with M2726/50-004-2.

Design: Contact arrangement shall be in accordance with W-C-596/13, PIN W-C-596/13-3. Plug tip assembly shall be threaded into plug body. Barriers shall be molded integral with plug tip and shall extend .125 minimum above contacts. Contacts may be molded integral with plug tip or staked to prevent removal by pull out force of 30 pounds, minimum. Plug tip shall contain an undercut to retain gasket captive when assembled into plug body.

Instruction sheet: An instruction sheet with the information as shown on figure 2 shall be furnished with each plug on paper by 4 by 6 inches.

Gasket: Rubber, in accordance with MIL-PRF-900. Gasket shall be 1.750 inch outside diameter by .062 inch plus .031, minus 0 inch thick.

Electrical rating: 15-ampere, 125-volt.

Intended use: Shipboard, for portable tools, test equipment and battery charging units on radar platforms, open bridges or weatherdecks. Normally used with watertight receptacles but will fit nonwatertight receptacles in accordance with MIL-DTL-2726/40, MIL-DTL-2726/43, MIL-DTL-2726/51 and MIL-DTL-2726/69.

PIN: M2726/38-001.
VERIFICATION

Verification shall be as specified in MIL-DTL-2726 and table I herein. The first article and conformance inspections shall consist of the inspections as specified in table I, in the order shown.

TABLE I. First article and quality conformance inspection.

<table>
<thead>
<tr>
<th>Inspection</th>
<th>First article</th>
<th>Conformance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examination</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Dielectric withstanding voltage</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Blade strength</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Contact resistance</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Endurance</td>
<td>X</td>
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<tr>
<td>Salt spray</td>
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<tr>
<td>Contact resistance</td>
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<tr>
<td>Current load</td>
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<tr>
<td>Vibration</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Shock</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Effectiveness of enclosure</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Dielectric withstanding voltage</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Mechanical abuse</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Ball drop impact</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Strain relief</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-2726, this document references the following:

ASTM-D3935
ASTM-D5948
MIL-DTL-24643
MIL-DTL-24643/3
MIL-DTL-2726/37
MIL-DTL-2726/39
MIL-DTL-2726/40
MIL-DTL-2726/43
MIL-DTL-2726/50
MIL-DTL-2726/51
MIL-DTL-2726/69
MIL-DTL-2726/73
MIL-PRF-900
MIL-STD-108
W-C-596/13
CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-4617-028)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at http://assist.daps.dla.mil.