

INCH-POUND
MIL-DTL-2726/49F
23 July 2013
SUPERSEDING
MIL-DTL-2726/49E
20 October 2006

DETAIL SPECIFICATION SHEET

RECEPTACLE, OUTLET, TRIPLE, ELECTRICAL, 40 - AMPERE,
450 - VOLT, 60 HERTZ, ALTERNATING CURRENT, 4 - POLE, PORTABLE,
PLASTIC GROUNDED (SYMBOL NOS. 765.6, 765.7 AND 765.8)

Reactivated after 20 October 2006 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.

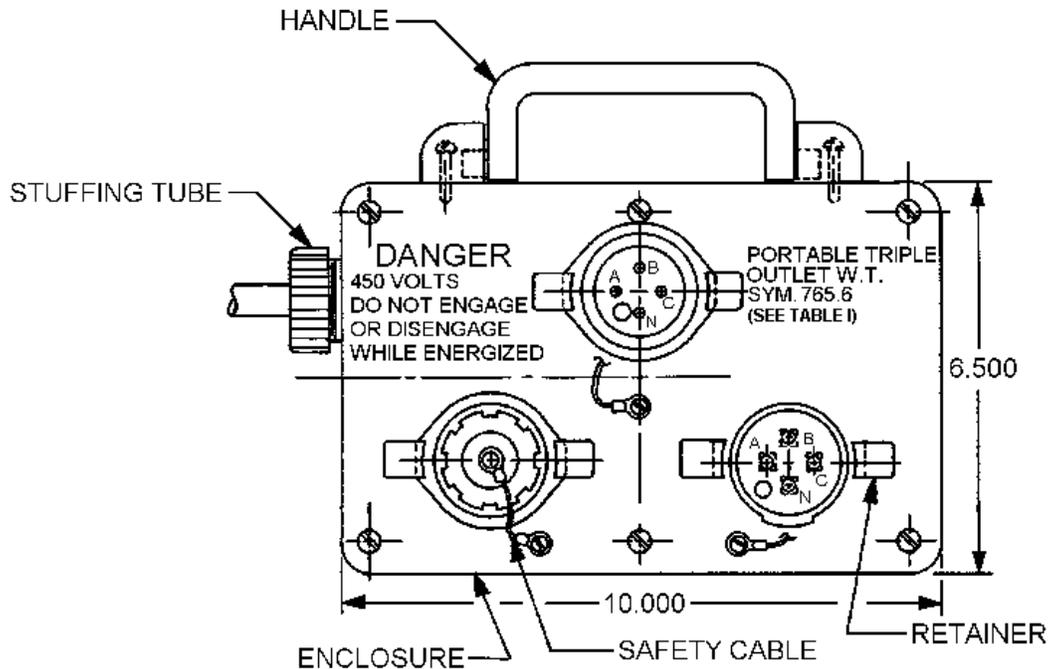
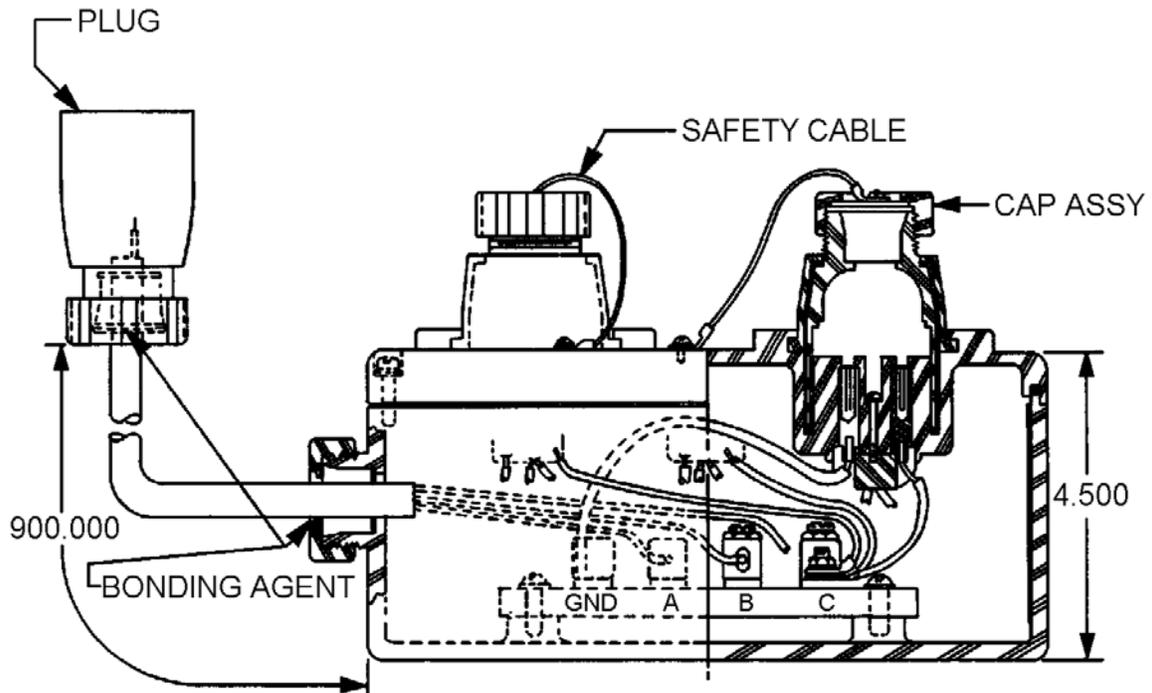


FIGURE 1. Dimensions and configurations for M2726/49-002-1.



Inches	mm
4.500	114.30
6.500	165.10
10.000	254.00
900.000	22860.00

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .016$ (0.41mm).
4. Symbol 765.6.
5. Supersedes: Drawing 815-74472, symbols 765.5.
6. Warning plates: The warning plates shall be furnished. As specified in MIL-DTL-2726 and as shown herein.

FIGURE 1. Dimensions and configurations for M2726/49-002-1 - Continued.

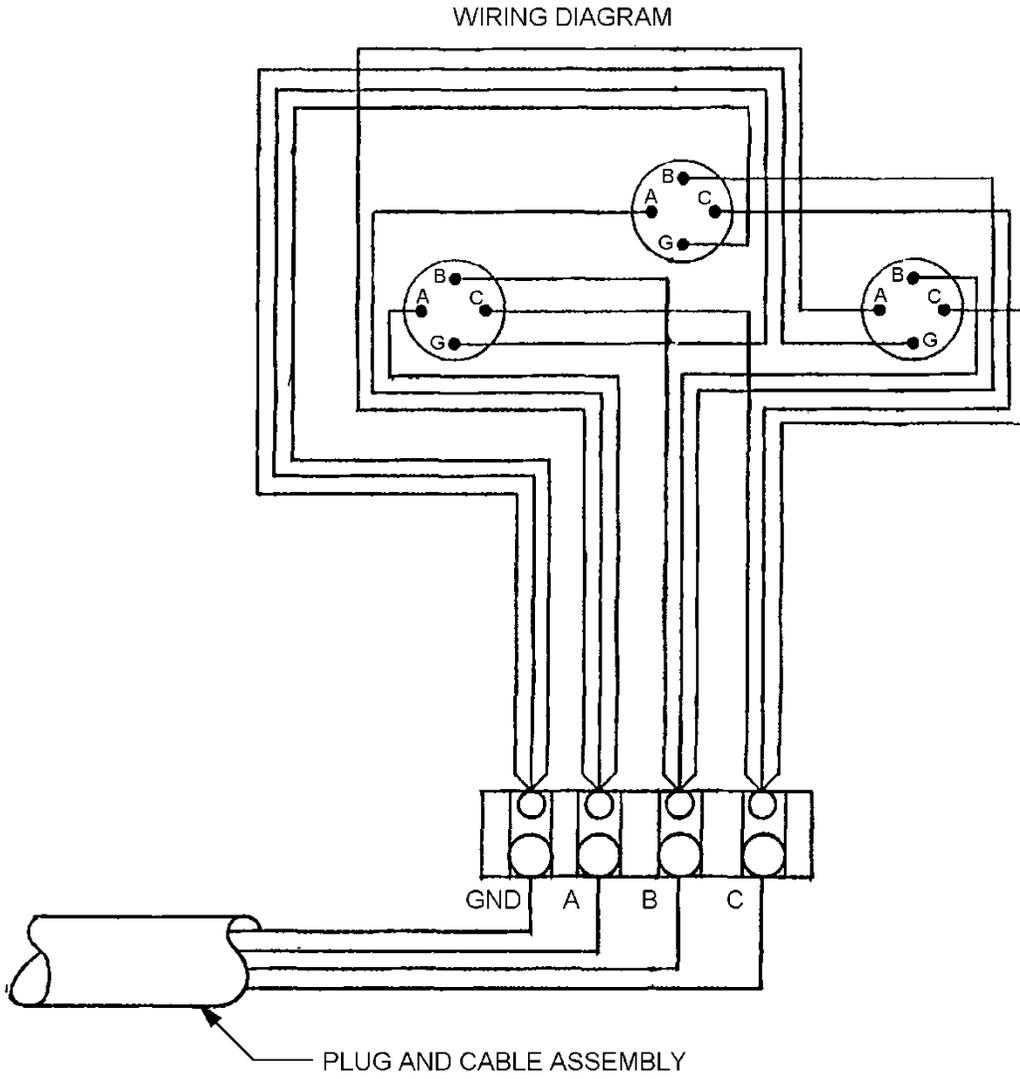


FIGURE 2. Wiring diagram for M2726/49-002-1.

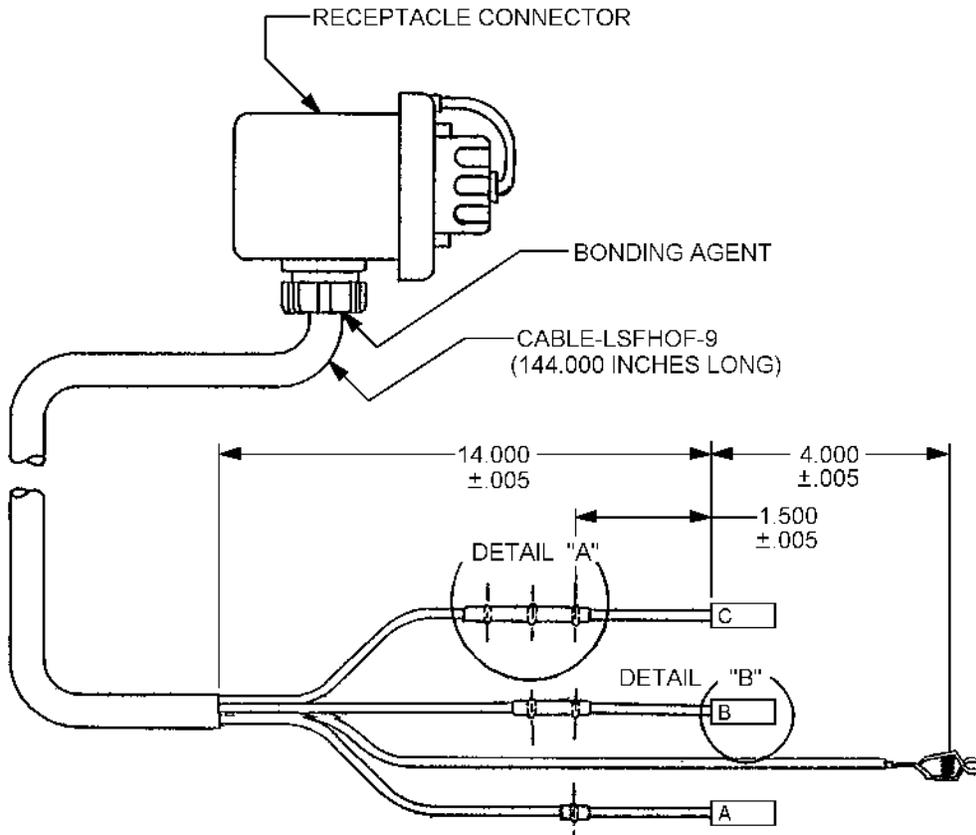
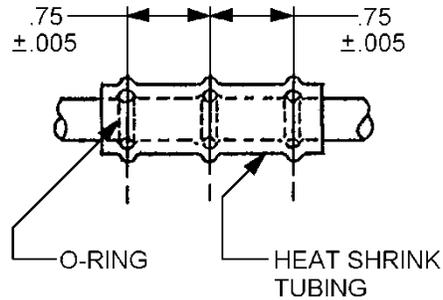
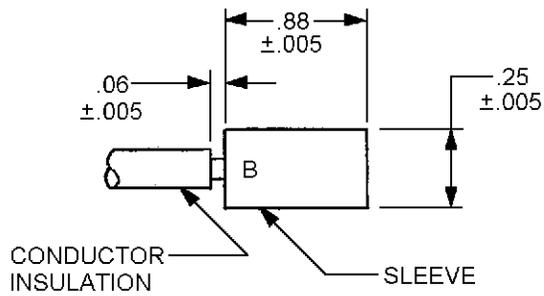


FIGURE 3. Dimensions and configurations for M2726/49-002-2.

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DETAIL "A"



DETAIL "B"

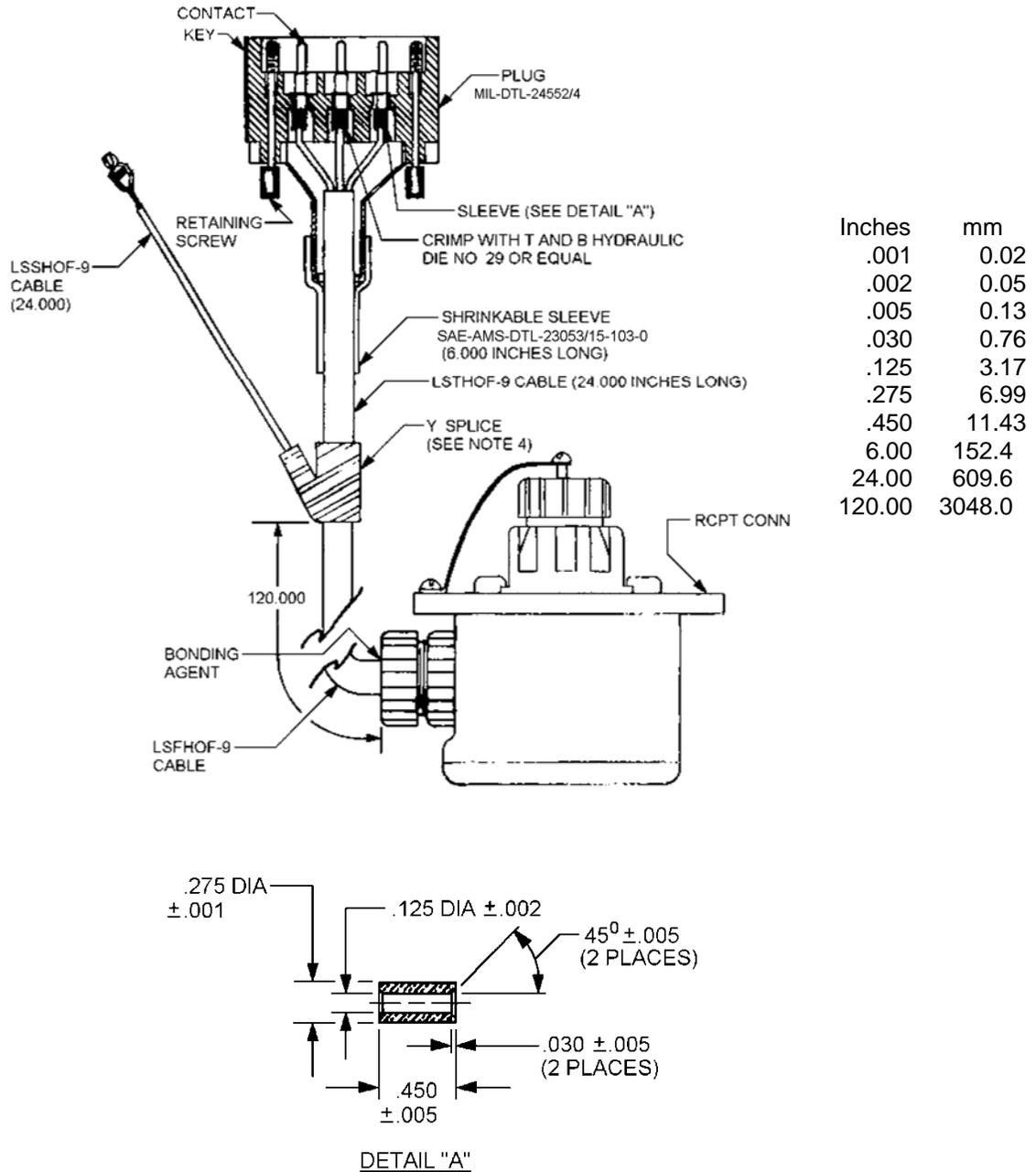
Inches	mm
.005	0.13
.06	1.5
.25	6.3
.75	19.1
.88	22.3
1.500	38.10
4.000	101.60
14.000	355.60
144.00	3657.60

NOTES:

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

FIGURE 3. Dimensions and configurations for M2726/49-002-2 - Continued.

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .016$ (0.41mm).
4. Y splice may be electrical products DIV/3M or equal or Neoprene or Polyurethane hot splice.

FIGURE 4. Dimensions and configurations for M2726/49-002-3.

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REQUIREMENTS

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

Effectiveness of enclosure: Watertight in accordance with MIL-STD-108. Applies to Part or Identifying Number (PIN) M2726/49-002-1 assembled with mating plugs and caps inserted and stuffing tube and cable installed. Applies to PIN M2726/49-002-2 and PIN M2726/49-002-3 assembled with mating plug inserted and stuffing tube and cable installed.

Receptacles: MIL-DTL-2726/9, PIN M2726/9-002 except that the plastic shall be in accordance with ASTM-D5948 type MAI-60, molded integral with cover.

Cap assemblies: In accordance with MIL-DTL-2726/13, PIN M2726/13-001.

Cap retainer: Equivalent to retainer latch as specified in MIL-DTL-2726/16.

A terminal board shall be furnished.

Stuffing tube: In accordance with MIL-S-19622, PIN M19622/1-005; and packing assembly PIN M19622/19-0004 (for cable type LSTHOF-9), PIN M19622/19-0005 (for cable type LSFHOF-9) shall be furnished and installed.

Plug assembly: In accordance with MIL-DTL-2726/3, PIN M2726/3-001.

Receptacle connector: MIL-DTL-2726/16, PIN M2726/16-003 except plastic shall be in accordance with ASTM-D5948 type MAI-60. This connector, PIN M2726/49-002-2 or M2726/49-002-3, is for use when hook-up to casualty power system is required.

Cut ends of cable insulation shall be made watertight by applying a heavy coat of clear insulating varnish.

For phase identification by touch, apply O-rings and secure with heat shrinkable tubing in accordance with SAE-AMS-DTL-23053, as follows:

Black wire ("A" phase): One O-ring and black tubing.

White wire ("B" phase): Two O-rings and white tubing.

Red wire ("C" phase): Three O-rings and red tubing.

Ground lead shall have a spring tension electrical clip in accordance with type PCL, item number 1 in accordance with A-A-59466 installed.

Mating plug: In accordance with MIL-DTL-2726/3, PIN M2726/3-001.

Enclosure housing, cover and handle shall be yellow, molded plastic, in accordance with ASTM-D5948 type MAI-60. See figures 1, 2, 3 and 4 for dimensions and configuration.

Cable: In accordance with MIL-DTL-24643 and MIL-DTL-24643/3.

Sleeve: Copper shall be crimped securely on the end of each phase conductor.

Splice type CCBC in accordance with MIL-T-16366 may be used. Crimped sleeve shall meet the pull-out requirements in accordance with MIL-T-16366. Phase marking shall be stamped on the sleeve in .125 inch (3.17mm) letters.

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The outlet shall be used for operating a group of up to three portable submersible pumps.

PIN: M2726/49-002 (includes -1, -2, and -3).

Bond the rubber packing grommet to the cable by a bonding agent such as Gates Engineering Co. N-29 or equal, accelerated with N-39 or equal; coat inner surface of hole in grommet.

Provide rubber boot over ground clip on PIN M2726/49-002-2.

Molded parts containing markings based on drawings that have been superseded may continue to use the superseded markings until the molds require renewal.

Plug: In accordance with MIL-DTL-24552/4, PIN M244552/4-001 symbol 1049.

General information is specified in table I.

TABLE I. General information.

Symbol number	PIN required	Used with portable submersible pumps and hoists in systems using:
765.6	M2726/49-002-1	No casualty equipment
765.7	M2726/49-002-1 M2726/49-002-2	Casualty power equipment in accordance with MIL-T-24381 1/
765.8	M2726/49-002-1 M2726/49-002-3	Casualty power equipment in accordance with MIL-DTL-24552

1/ Replacement only, not for new construction.

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 II, in the order shown.

TABLE II. First article and conformance inspection.

Inspection	First article	Conformance
Examination	X	X
Insulation resistance	X	X
Dielectric withstanding voltage	X	X
Vibration	X	
Shock	X	
Salt spray	X	
Effectiveness of enclosure	X	X
Dielectric withstanding voltage	X	
Leakage current	X	X

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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

A-A-59466
ASTM-D5948
MIL-DTL-24552
MIL-DTL-24552/4
MIL-DTL-24643
MIL-DTL-24643/3
MIL-DTL-2726/3
MIL-DTL-2726/9
MIL-DTL-2726/13
MIL-DTL-2726/16
MIL-S-19622
MIL-STD-108
MIL-T-16366
MIL-T-24381
SAE-AMS-DTL-23053

CONCLUDING MATERIAL

Custodians:
Navy - SH
DLA - CC

Preparing activity
DLA - CC

(Project 5935-2013-165)

NOTES: 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: <https://assist.dla.mil>.