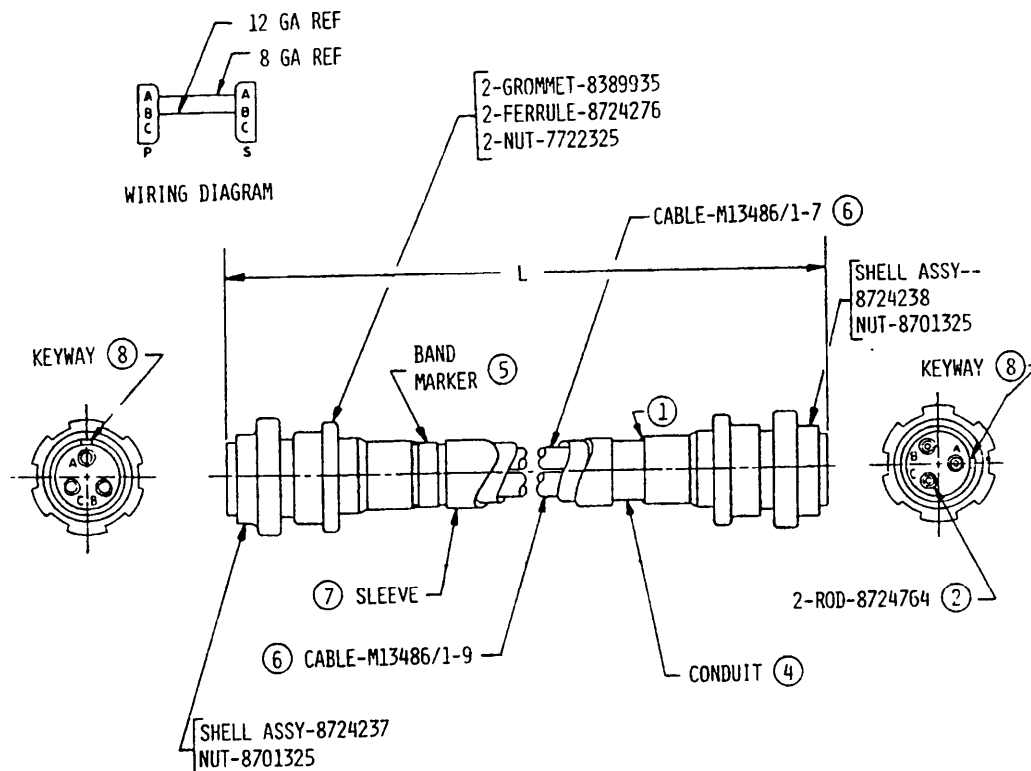


FED. SUP CLASS
2920

REVIEW ACTIVITY DDA-14



| DASH NUMBER | (L) LENGTH | DASH NUMBER | (L) LENGTH | DASH NUMBER | (L) LENGTH |
|-------------|---------------|-------------|---------------|-------------|---------------|
| - 1 | 16 ± 1/8 | - 4 | 36 ± 1/4 | - 7 | 60 ± 1/4 |
| - 2 | 24 ± 1/8 | - 5 | 39 ± 1/4 | - 8 | 81 ± 1/4 |
| - 3 | 28 ± 1/8 | - 6 | 48 ± 1/4 | - 9 | 69 ± 1/4 |

(R) ENTIRE STANDARD REVISED

| | | |
|--------------------------------------|---|---|
| P A ARMY-AT Other Cust NONE | TITLE CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: GENERATOR TO REGULATOR, 25 AND 40 AMP SYSTEM | MILITARY STANDARD MS51334(AT) |
| PROCUREMENT SPECIFICATION NONE | SUPERSEDES: | SHEET 1 OF 2 |

DD FORM 672-1 (Limited Coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2920-A36f

This military standard is approved for use by the Army, and is available for use by all Departments and Agencies of the Department of Defense.

APPROVED 23 SEPT 1960 REVISED 1 APR 11 1966 25 AUGUST 1980

FED. SUP CLASS
2920

REQUIREMENTS:

1. SOLDER CONDUCTORS TO PLUG CONTACTS, AND FERRULE TO CONDUIT AT BOTH ENDS IN ACCORDANCE WITH MIL-STD-454, REQUIREMENT 5.
2. GROMMET, HOLE C, SHALL BE PLUGGED AT BOTH ENDS WITH INDICATED ROD.
3. MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-130.
4. CONDUIT SHALL BE TYPE I, GRADE B IN ACCORDANCE WITH MIL-C-13909. INSIDE DIAMETER SHALL BE 5/8 INCH. LENGTH SHALL BE AS REQUIRED.
5. BAND MARKER SHALL BE IN ACCORDANCE WITH MIL-B-43436.
6. ELECTRICAL CONDUCTORS SHALL CONFORM TO TYPE I, CLASS A OF MIL-C-13486.
7. CHAFING SLEEVE SHALL BE RUBBER, 1/32 INCH MINIMUM THICKNESS, GRADE SC 615 AC₁ E₃ F₂ MIL-R-3065. LENGTH OF SLEEVE SHALL BE EIGHT (8) INCHES LESS THAN "L" AND SHALL BE CENTERED WITHIN $\pm 1/2$ INCH.
8. KEYWAY TO BE LOCATED AS SHOWN, BOTH ENDS.
9. CABLE ASSEMBLY SHALL MEET THE FOLLOWING REQUIREMENTS:
 - A. IMMERSION IN ACCORDANCE WITH METHOD 104, TEST CONDITION B OF MIL-STD-202. FOLLOWING TEST, CABLE ASSEMBLY SHALL BE MOUNTED AS IN INTENDED APPLICATION AND OPERATED FOR 5 MINUTES TO ASSURE FUNCTIONAL ACCEPTABILITY.
 - B. HIGH POTENTIAL-ASSEMBLIES SHALL WITHSTAND A POTENTIAL OF 1000 VOLTS R.M.S. AT A FREQUENCY OF 60 C.P.S. APPLIED BETWEEN CONDUCTORS FOR ONE MINUTE; AND BETWEEN CONDUCTORS AND SHIELDING BRAID FOR ONE MINUTE.
 - C. VIBRATION SHALL BE IN ACCORDANCE WITH TEST METHOD 201 OF MIL-STD-202 EXCEPT THAT THE CABLE ASSEMBLY SHALL BE VIBRATED FOR ONE (1) HOUR EACH IN THE VERTICAL PLANE AND LATERAL PLANE. THE CABLE ASSEMBLY SHALL BE CONNECTED TO TWO (2) MATING RECEPTACLES, ONE MOUNTED HORIZONTALLY AND ONE VERTICALLY ON THE VIBRATING DEVICE. SPACING OF RECEPTACLES SHALL BE SUCH AS TO PROVIDE A NON-STRESSED LOOP IN CABLE.
 - D. CABLE ASSEMBLY SHALL MEET THE ELECTROMAGNETIC INTERFERENCE REQUIREMENTS OF MIL-STD-461, CLASS II C.

NOTES:

1. THE "MS" PART NUMBER CONSISTS OF THE MS NUMBER PLUS THE DASH NUMBER. EXAMPLE: MS51334-1.
2. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
3. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON THE DATE OF THE INVITATION OF BIDS, OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
4. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE $\pm 1/64$ ON FRACTIONS, ± 0.10 ON DECIMALS, AND $\pm 2^\circ$ ON ANGLES.

APPROVED 23 SEPT 1960 REVISED (B) FOR CHANGES SEE SHEETS 1 AND 2

| | | |
|-------------------------------------|---|---|
| P. A. ARMY-AT Other Cust NONE | TITLE CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: GENERATOR TO REGULATOR, 25 AND 40 AMP SYSTEM | MILITARY STANDARD MS51334(AT) |
| PROCUREMENT SPECIFICATION NONE | SUPERSEDES: | SHEET 2 OF 2 |