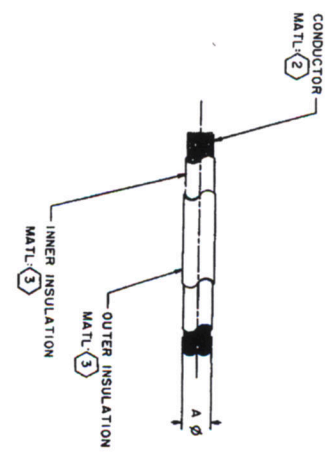


- NOTES:
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY DDD-STD-100
 - MATERIAL: TIN COATED COPPER
 - MATERIAL: RADIATION CROSSLINKED, EXTENDED, MODIFIED POLYOLEFIN, OUTER LAYER NOMINAL THICKNESS .001 INCHES, INNER LAYER NOMINAL THICKNESS .0005 INCHES FOR WIRE SIZES 0 AND 00 IS .0005
 - WIRE CHARACTERISTICS: 125°C MAXIMUM TEMPERATURE FOR 1000 HOURS; CONTINUOUS CONDUCTOR TEMPERATURE FOR 1000 HOURS: 177°C TO 179°C; VOLTAGE: 600 VOLTS RMS; COLOR: BLACK; CONCENTRICITY: 70 PERCENT MIN; FLAMMABILITY: SELF EXTINGUISHING WITHIN 60 SECONDS; INSULATION ENLARGEMENT: 100 PERCENT MIN; INSULATION TENSILE STRENGTH: 1500 PSI MIN; INSULATION FLAWS: IMPULSE DIELECTRIC TEST, INSULATION RESISTANCE: 100 MEGOHMS FOR 1000 FT MIN; LIFE CYCLE: OVEN TEMP: 147°C TO 153°C FOR 76 HOURS; BEND: -33°C TO -57°C FOR 4 HOURS; PROCEDURE FOR TEST TO BE PER MIL-W-91044; OIL RESISTANCE: 20 PERCENT MAX SWELL; FINISHED WIRE SHALL BE OILED AT 100°C AFTER LIFE CYCLE; ACCELERATED AGING AND LOW TEMP-COLD BEND TESTS AT 147°C TO 153°C FOR 4 HOURS

6. WHEN THE ITEM DESCRIBED ON THE DRAWING, HEREON, IS APPROVED BY THE MEMORIS LISTED AUTOMOTIVE COMMAND TACOM FOR USE IN THE APPLICATION(S) SPECIFIED HEREON, THE APPLICATOR SHALL NOT BE USED WITHOUT IDENTIFICATION OF THE APPROVED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSIDERED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY OF PRESENT OR SUPPLY FOR THE ITEM DESCRIBED ON THE DRAWING.



PART IDENT NUMBER	VENDOR(S)	APPROVED SOURCE(S) OF SUPPLY	ITEM IDENT NUMBER	VENDOR'S REVISION LETTER AND DATE	ITEM IDENT MARKING	APPLICATION
12293251-1	RAYCHEM CORP 300 CONSTITUTION DRIVE MENLO PARK, CA FSCM 060930	HTXE 9-5-92	10603-8-0	10603 REV 0 10-24-92	1920750CNC2293251-1 060930-10603-8-0	M2, M3, M4, M993
12293251-2	DELTA SURPRENANT 1775 STERLING STREET CLINTON, MA 01510	HTXE 9-5-92	10603-4-0	10603 REV 0 10-24-92	1920750CNC2293251-2 060930-10603-4-0	M2, M3, M4, M993
12293251-3	DELTA SURPRENANT 1775 STERLING STREET CLINTON, MA 01510	HTXE 9-5-92	10603-0-0	10603 REV 0 10-24-92	1920750CNC2293251-3 060930-10603-0-0	M2, M3, M4, M993
12293251-4	DELTA SURPRENANT 1775 STERLING STREET CLINTON, MA 01510	HTXE 9-5-92	10603-00-0	10603 REV 0 10-24-92	1920750CNC2293251-4 060930-10603-00-0	M2, M3, M4, M993

PART NO.	WIRE SIZE (AWG)	A	MANUF. CONDUC-TOR DIA (INCHES)	LIFE CYCLE ACCELERATED AGING	COLD BEND	LIFE CYCLE ACCELERATED AGING	COLD BEND
12293251-1	4	.272 TO .288	.176	2.91 TO 3.09	2.91 TO 3.09	1.94 TO 2.06	9.70 TO 10.30
12293251-2	4	.369 TO .391	.272	5.82 TO 6.18	5.82 TO 6.18	2.91 TO 3.09	14.55 TO 15.45
12293251-3	0	.543 TO .577	.432	9.70 TO 10.30	9.70 TO 10.30	3.88 TO 4.12	19.40 TO 20.60
12293251-4	00	.598 TO .634	.504	11.64 TO 12.36	11.64 TO 12.36	5.28 TO 6.18	29.10 TO 30.90

SOURCE CONTROL DRAWING

DATE	BY	CHKD BY	APP'D BY	REVISION
12293251	B	B	B	1
12293251	B	B	B	2
12293251	B	B	B	3

PART NO. SEE TABULATION

U.S. ARMY TANK-AUTOMOTIVE COMMAND
WARRICK, MO. 64090

WIRE

SCALE NONE

DATE 12/29/97

12293251

ZONE	DATE	DESCRIPTION	BY	CHKD BY	APP'D BY
B	12-16-93	ECP/ERR FOM M5649 INC NOR 75928 REDRAWN WITH CHANGES WAS A SIZE MANUAL	SP	RB	RB
C	03-17-93	ECP/ERR FOM-R4098 INC NOR 99301	JV	VW	VW