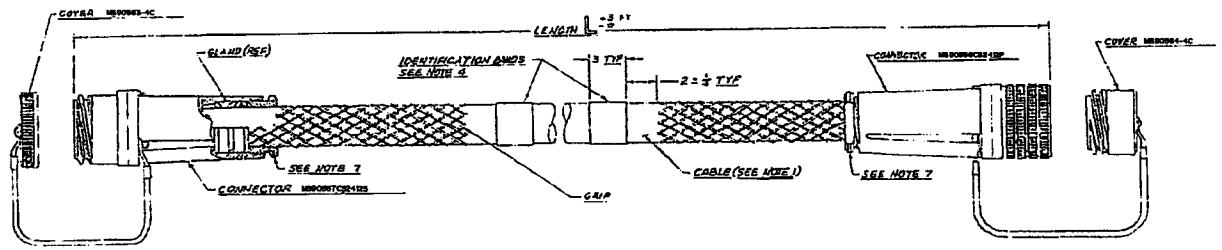
Attachment 001

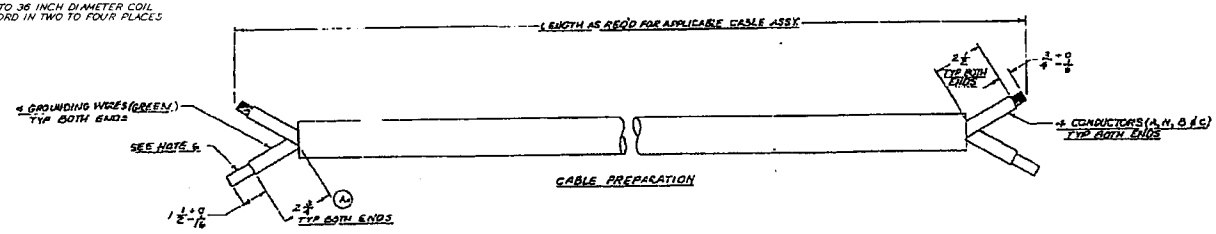
REVISIONS				
	A	SEE DCN		

NOTES:

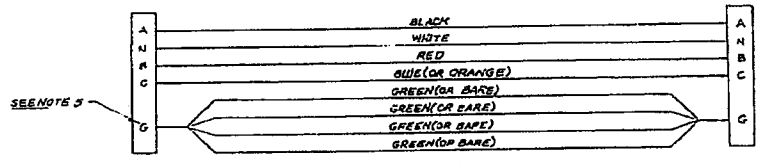
1. CABLE- FOUR NO. 6 AWG CONDUCTOR, ROUND CONSTRUCTION, TYPE G, WITH GROUND, PORTABLE POWER CABLE. CABLE SHALL CONFORM TO IPCEA PUB. NO. S-19-81 AND IPCEA PUB NO. S-68-516, FOR 90°C RATING CABLE. SHALL INCORPORATE FOUR (4) NO. 6 AWG COPPER POWER CONDUCTORS OF 133 STRAND (19 X 7 PREFERRED, 7 X 19 ACCEPTABLE) AND FOUR (4) NO. 12 AWG 37 STRAND GROUNDING WIRES. POWER CONDUCTOR INSULATION SHALL BE 90° C EPR OR A BLEND OF EPR AND XLP FOR 90°C SERVICE. GROUNDING WIRES SHALL BE ENCASED WITH A CONTINUOUS SURFACE EXTRUDED MATERIAL COMPATIBLE WITH 90° C REQUIREMENTS. COLOR CODING SHALL BE BLACK - PHASE A, WHITE - NEUTRAL N, RED- PHASE B, BLUE-PHASE C (ORANGE FOR PHASE C WHEN SPECIFIED), GREEN - GROUNDING WIRES G. CABLE JACKET SHALL BE TWO LAYER, REINFORCED BETWEEN LAYERS, HEAVY DUTY, CHLOROSULFONATED POLYETHYLENE. JACKET SHALL BLACK (COLORED WHEN SPECIFIED). FINISHED CABLE SHALL BE ROUND AND SMOOTH AND SHALL HAVE NO CONTINUOUS GROOVE OR INDENT ON OUTER SURFACE. CABLE SHALL BE MARKED BY INK OR RAISED LETTERING AT INTERVALS. CABLE O.D. SHALL BE 1.10 ± .03 INCH. NATURAL FIBERS SHALL NOT BE USED FOR FILLERS OR REINFORCING.
2. CABLE ASSEMBLY SHALL BE WIRED IN ACCORDANCE WITH WIRING DIAGRAM AS SHOWN. CONTACTS SHALL BE CRIMPED USING A 4 INDENT CRIMP OBTAINED BY USING MS3150 CRIMPING DIE FOR CLASS L CONTACTS OR EQUIVALENT. USE CONTACT BUSHING MS3348-4-6L FOR PHASE CONTACTS A, N, B AND G. BUSHING MAY BE SILVER PLATED.
3. EACH FINISHED CABLE ASSEMBLY SHALL MEET THE FOLLOWING EXAMINATIONS OR TESTS OF SPEC MIL-C-3885.
   A) VISUAL AND MECHANICAL EXAMINATION
   B) CONTINUITY
   C) DIELECTRIC WITHSTANDING VOLTAGE
4. IDENTIFICATION BANDS PER MIL-I-23053/5 OR APPROVED EQUAL. ENDS FOR BLACK CABLE SHALL BE YELLOW, OR LIGHT COLORED WITH BLACK LETTERING. BANDS FOR ORANGE YELLOW OR LIGHT COLORED CABLE SHALL BE BLACK OR DARK COLORED WITH WHITE LETTERING. BAND SHALL BE MARKED AS FOLLOWS:
   CABLE ASSEMBLY (PART NO.).
   120/208V -3Ø-4 WIRE - GROUNDING
   60 HZ- 60 AMP
   MANUFACTURERS OR ASSEMBLERS NAME OR CODE DESIGNATION
5. G PIN IS ELECTRICALLY CONNECTED INTERNALLY TO CONNECTOR SHELL.
6. BRING THE THREE GROUNDING WIRES THRU THE CENTER OF THE POWER CONDUCTORS AND DOWN TO THE GROUNDING WIRE BETWEEN THE RED AND BLUE CONDUCTORS THEN TWIST THE STRIPPED ENDS TOGETHER. CUT TO 3/4 INCH STRIPPED DISTANCE.
7. GLAND NUT SHOULD BE TIGHTENED TO A TORQUE OF 35 TO 40 FOOT LBS.
8. PRESERVATION PACKAGING AND PACKING SHALL BE LEVEL C AS FOLLOWS
   A) FASTEN CAPS FIRMLY.
   B) COIL IN APPROXIMATELY 18 TO 36 INCH DIAMETER COIL.
   C) TIE WITH CLOTH TAPE OR CORD IN TWO TO FOUR PLACES.

TTEB3-100	100 FT
TTEB4-50	50 FT
TTEB4-25	25 FT
TTEB4-10	10 FT
PART NO.	LENGTH L





CABLE PREPARATION



WIRING DIAGRAM

1	1	1	1	COVER	MS90361-1C	
1	1	1	1	COVER	MS90363-1C	
1	1	1	1	CONNECTOR	MS90557C24-12S	
1	1	1	1	CONNECTOR, STRAIGHT	MS90556C24-12SP	
AR	AR	AR	AR	CABLE	SEE NOTE 1	
				CABLE ASSEMBLY	-100	
				CABLE ASSEMBLY	-50	
				CABLE ASSEMBLY	-25	
				CABLE ASSEMBLY	-10	
-100	-50	-25	-10			
QTY REQD					USE OF MATERIALS	

NOTED

AFSC	U S AIR FORCE ASD	WPAFB, OHIO	
CABLE ASSEMBLY- 120/208 V - 3 Ø - 4 WIRE-GROUNDING, 60 HZ - 60 AMP			
F	07878	72289	
	NONE		