

9. CABLE IDENTIFICATION: THE METHOD OF IDENTIFICATION SHALL BE COMPATIBLE WITH THE CABLE CONSTRUCTION. IDENTIFICATION SHALL BE AT INTERVALS OF ONE TO THREE FEET AND MAY BE BY MARKING THE OUTER JACKET OR BY A TAPE MARKED EVERY 12 INCHES PLACED UNDER THE SHIELD OR JACKET. ALL MATERIALS USED FOR IDENTIFICATION SHALL CONFORM TO THE ENVIRONMENTAL REQUIREMENTS OF THE PARTICULAR CONSTRUCTION. THE IDENTIFICATION SHALL BE CLEAR AND LEGIBLE AND SHALL INCLUDE THE FOLLOWING WHERE PRACTICABLE.
- MANUFACTURER'S NAME OR SYMBOL AND PART NUMBER.
 - YEAR OF MANUFACTURE.
10. DESIGN DATA:
- VOLTAGE RATING; SEE TABLE III.
 - TEMPERATURE RATING; SEE TABLE III.
11. FLAME RETARDANT TEST: CABLES USING POLYVINYL CHLORIDE SHEATH SHALL BE CAPABLE OF PASSING THE VERTICAL FLAME TEST OF INSULATED POWER CABLE ENGINEERS ASSOCIATION SPECIFICATION S-61-402, PARAGRAPH 6.5.
12. COLOR CODING; CONDUCTORS SHALL BE AS FOLLOWS:
- TWISTED PAIRS: ONE BLACK - ONE WHITE
 - TWISTED TRIADS: ONE BLACK - ONE WHITE - ONE RED
 - TWISTED QUADS: ONE BLACK - ONE WHITE - ONE RED - ONE GREEN
13. MARKING; MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-130 WITH THE FOLLOWING INFORMATION:
- MANUFACTURER'S FSCM OR NSCM NUMBER.
 - MANUFACTURER'S PART NUMBER.
 - NUMBER OF PIECES AND FOOTAGES OF CABLE.
 - YEAR OF MANUFACTURE.

SIZE	FSCM NO.	
A	55717	13003667
SCALE	REV D	SHEET 6

NOTES:

- PARTS SUPPLIED UNDER THIS DOCUMENT SHALL CONFORM TO FIGURE I AND TABLE I, AND SHALL MEET THE GENERAL REQUIREMENTS OF MIL-C-55021 AND AS SPECIFIED HEREIN.
- PREPRODUCTION SAMPLE TESTS ARE MANDATORY WHEN SPECIFIED BY THE PROCURING ACTIVITY.
- THIS DOCUMENT COVERS THE MULTICONDUCTOR CABLE FOR ELECTRONIC CIRCUITS WHERE THE CABLE WILL BE PROTECTED IN RACKS, BUILDINGS, CABINETS, OR OTHER ENCLOSED AREAS.
- CONDUCTORS: ALL CONDUCTORS SHALL BE IN ACCORDANCE WITH MIL-W-16878. CONDUCTOR STRANDING SHALL BE PER TABULATION. DATA RESULTING FROM PRODUCTION TESTS AND QUALITY PERFORMANCE TESTS ON THE CONDUCTORS SHALL BE ACCESSIBLE TO THE PROCURING AGENCY ON REQUEST.
- BINDER: WHEN USED, BINDER SHALL BE POLYETHYLENE TEREPHTHALATE, TYPE G, 0.001 MINIMUM THICKNESS, PER MIL-I-631 FOR 105°C CABLE AND POLYTETRAFLUOROETHYLENE, 0.001 MINIMUM THICKNESS, PER MIL-P-22241 FOR 200°C CABLE.
- SHIELD: SHIELD APPLIED OVER SHIELDED PAIRS, TRIADS AND QUADS SHALL BE BRAIDED TINNED COPPER FOR 105°C CABLE AND SILVER COATED COPPER FOR 200°C CABLE. STRAND SIZE SHALL BE PER TABLE II. SHIELDS SHALL BE 90% MINIMUM COVERAGE AND CONFORM TO THE SHIELDING REQUIREMENTS OF MIL-C-7078.
- SHEATH: THE SHEATHS SHALL BE EXTRUDED POLYVINYL CHLORIDE FOR ALL 105°C CABLE, COLOR WHITE IN ACCORDANCE WITH STYLE P OF MIL-C-55021 AND EXTRUDED FLUORINATED ETHYLENE PROPYLENE IN ACCORDANCE WITH STYLE F OF MIL-C-55021, COLOR WHITE (PREFERRED) OR NATURAL, FOR 200°C CABLE. SHEATH MINIMUM WALL THICKNESS SHALL BE AS SPECIFIED IN TABLE II.
- CONSTRUCTION: CONDUCTORS SHALL BE CABLED ON A TUBULAR OR PLANETARY TYPE CABLING MACHINE WITH A MAXIMUM LAY OR PITCH OF 12 TIMES THE DIAMETER OF THE CABLED CONDUCTORS. EVIDENCE OF RESIDUAL TWIST IN THE INDIVIDUAL CONDUCTORS SHALL BE CAUSE FOR REJECTION. BINDERS MAY BE USED AS REQUIRED AT MANUFACTURER'S OPTION.

SIZE	FSCM NO.	
A	55717	13003667
SCALE	REV D	SHEET 5

IDENTIFICATION OF THE "SUGGESTED SOURCE(S) OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S)

MIRACDON CONTROL NUMBER	SUGGESTED SOURCE(S) OF SUPPLY PART NUMBER		
	CALMONT	NATIONAL	TELEDYNE
13003667-1	13003667-1	13003667-1	13003667-1
-2	-2	-2	-2
-3	-3	-3	-3
-4	-4	-4	-4
-5	-5	-5	-5
-6	-6	-6	-6
-7	-7	-7	-7
-8	-8	-8	-8
-9	-9	-9	-9
-10	-10	-10	-10
-11	-11	-11	-11
-12	-12	-12	-12
-13	-13	-13	-13
-14	-14	-14	-14
-15	-15	-15	-15
-16	-16	-16	-16
-17	-17	-17	-17
-18	-18	-18	-18
-19	-19	-19	-19
-20	-20	-20	-20
-21	-21	-21	-21
-22	-22	-22	-22
-23	-23	-23	-23
13003667-24	13003667-24	13003667-24	13003667-24

FSCM NO. & SUPPLIER NAME AND ADDRESS

24027 CALMONT ENGR. & ELECTRONICS CORP., SANTA ANA, CA
 04569 NATIONAL WIRE AND CABLE, LOS ANGELES, CA
 12515 TELEDYNE THERMATICS, ELM CITY, NC
 12814 THERMAX WIRE CORP., FLUSHING, NY
 28427 BARCEL WIRE AND CABLE, IRVINE, CA
 15851 WHITMOR WIRE AND CABLE, NORTH HOLLYWOOD, CA

SIZE	FSCM NO.	
A	55717	13003667
SCALE	REV C	SHEET 7

IDENTIFICATION OF THE "SUGGESTED SOURCE(S) OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S)

MIRACDON CONTROL NUMBER	SUGGESTED SOURCE(S) OF SUPPLY PART NUMBER		
	THERMAX	BARCEL	WHITMOR
13003667-1	13003667-1	13003667-1	13003667-1
-2	-2	-2	-2
-3	-3	-3	-3
-4	-4	-4	-4
-5	-5	-5	-5
-6	-6	-6	-6
-7	-7	-7	-7
-8	-8	-8	-8
-9	-9	-9	-9
-10	-10	-10	-10
-11	-11	-11	-11
-12	-12	-12	-12
-13	-13	-13	-13
-14	-14	-14	-14
-15	-15	-15	-15
-16	-16	-16	-16
-17	-17	-17	-17
-18	-18	-18	-18
-19	-19	-19	-19
-20	-20	-20	-20
-21	-21	-21	-21
-22	-22	-22	-22
-23	-23	-23	-23
13003667-24	13003667-24	13003667-24	13003667-24

FSCM NO. & SUPPLIER NAME AND ADDRESS

24027 CALMONT ENGR. & ELECTRONICS CORP., SANTA ANA, CA
 04569 NATIONAL WIRE AND CABLE, LOS ANGELES, CA
 12515 TELEDYNE THERMATICS, ELM CITY, NC
 12814 THERMAX WIRE CORP., FLUSHING, NY
 28427 BARCEL WIRE AND CABLE, IRVINE, CA
 15851 WHITMOR WIRE AND CABLE, NORTH HOLLYWOOD, CA

SIZE	FSCM NO.	
A	55717	13003667
SCALE	REV C	SHEET 8