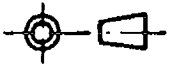


REV D
 SH 1
 DWG NO 7099316

THIRD ANGLE PROJECTION



REVISIONS

REV	DESCRIPTION	DATE	APPROVED
D	REPLACES REV C WITH CHG, REPLACES REV C OF SH3 WITH CHG SH(1) DELE GE NOTES 1,2, ADDED SCN, CONTR NO. SH(3) ADDED NOTES 1,1.1,1.1.1, REQ 2,2.5,2.5.1, CHG REQ 2.1 THRU 2.4 AND 2.5.2 WAS NOTES 1-4, DELE NOTE 5 ECN A61L12322	87-9-15	K. Knight JKH jH

20131502

SUBMITTED ON CONTRACT
 N00024-82-C-6208

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES.
 TOLERANCES ON:
 2 PL DECIMALS ±
 3 PL DECIMALS ±
 FRACTIONS ±
 ANGLES ±
 DIMENSIONING AND
 TOLERANCING IS IN
 ACCORDANCE WITH
 ANSI Y14.5 - 1973

REV	D	C	D																
SH	1	2	3																

CONTR NO N00024-82-C-6208			
SIGNATURES	YR	MO	DAY
DRAWN SHERDRAN	65	12	20
CHECKED W SPITFADIN	69	1	21
ENGRG			
MFG			
ISSUED H.T. Z	65	12	23

GENERAL ELECTRIC

ESD-SY SYRACUSE, N Y

CABLE, SPECIAL PURPOSE, ELECTRICAL

SIZE A	FSCM NO 03538	DWG NO 7099316	REV D
SCALE	SHEET 1 OF 3		

DIST TO L1, 2256, 2254A

REVISIONS		
LTR	DESCRIPTION	DATE
C	1) RETRACED. 2) RELOCATED NOTES FOR GE HME'S TO SHEET 1. 3) REVISED NOTE 2, WAS --- SIZE NO. 24, NO. 22 --- ECN 3L4253-1F	23/9/11

105°C TWO CONDUCTOR, INSULATED AND NYLON JACKETED, TINNED COPPER BRAID SHIELDED AND PVC JACKETED OVER-ALL, 600 V RMS.

PT NO.	AWG NO.	STRANDING	MAX COND OD (INCL JACKET)	COLOR CODE					MAX OD
				CONDUCTOR 1		CONDUCTOR 2			
				BASE COLOR	TRACER	BASE COLOR	FIRST TRACER	SECOND TRACER	
1	24	19/.005	.055	WHITE	VIOLET	WHITE	BLACK	VIOLET	.162
2	24	19/.005	.055		BROWN		BROWN	GREEN	.162
3	22	19/.0063	.061		VIOLET		BLACK	VIOLET	.174
4	22	19/.0063	.061		BROWN		BROWN	GREEN	.174
5	20	19/.0079	.069		VIOLET		BLACK	VIOLET	.190
6	20	19/.0079	.069		BROWN		BROWN	GREEN	.190
7	16	19/.0113	.090		VIOLET		BLACK	VIOLET	.242
8	16	19/.0113	.090		BROWN		BROWN	GREEN	.242
9	24	7/.008	.055		VIOLET		BLACK	VIOLET	.162
10	24	7/.008	.055		BROWN		BROWN	GREEN	.162
11	22	7/.010	.061		VIOLET		BLACK	VIOLET	.174
12	22	7/.010	.061		BROWN		BROWN	GREEN	.174
13	20	7/.0126	.069		VIOLET		BLACK	VIOLET	.190
14	20	7/.0126	.069		BROWN		BROWN	GREEN	.190
15	26	7/.0063	.049		VIOLET		BLACK	VIOLET	.150
16	26	7/.0063	.049	WHITE	BROWN	WHITE	BROWN	GREEN	.150

FN-901-AF (3-68) PRINTED IN U.S.A.

DIST TO 2256M 2254M 2172M 2365M2

GENERAL ELECTRIC HME DEPT SYRACUSE LOC	SIZE	CODE IDENT NO.	7099316
	A	03538	
DRAWN	SHERDRAN		SHEET 2
CHECKED	W. Spitzfaden 2/11/69		
SCALE NONE			

REV B
 SH 3
 DWG NO 7099316

1. NOTES

1.1 SUGGESTED SOURCE(S) OF SUPPLY:

SURPRENANT WIRE AND CABLE
 CLINTON, MA
 MANUFACTURER'S FSCM NO. 90484
 MANUFACTURER'S ITEM IDENT NO. NONE

1.1.1 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).

2. REQUIREMENTS

2.1 CONDUCTOR

TINNED COPPER, PVC INSULATED, IN ACCORDANCE WITH MIL-W-16878/17 AND COLOR CODED AS INDICATED IN THE PRECEDING TABLE.

2.2 ASSEMBLY

TWIST WITH A 2 INCH LAY AND APPLY OVER-ALL, A TINNED COPPER BRAID SHIELDING OF .005 DIAMETER WIRES. SHIELDING SHALL GIVE A 90 PERCENT MINIMUM COVERAGE AND THE BRAID ANGLE SHALL BE NOT GREATER THAN 35 DEGREES. APPLY A BLACK PVC JACKET OVER-ALL IN ACCORDANCE WITH MIL-W-16878, TABLE I, EXCEPT THAT THE THICKNESS SHALL BE .010 MIN, .015 MAX FOR WIRE SIZE NO. 26, NO. 24, NO. 22 AND NO. 20; THICKNESS SHALL BE .015 MIN, .020 MAX FOR WIRE SIZE NO. 16.

2.3 SPECIFICATION REQUIREMENTS

- A. INSULATED AND NYLON JACKETED CONDUCTORS, SHIELD AND OUTER PVC JACKET SHALL BE IN ACCORDANCE WITH MIL-W-16878/17 EXCEPT AS NOTED IN PARAGRAPH 2.2 OF THIS DRAWING.
- B. COMPLETED CABLE SHALL WITHSTAND A HI-POT BETWEEN EACH CONDUCTOR AND BETWEEN EACH CONDUCTOR AND COPPER BRAID SHIELD OF 2,000 VOLTS RMS.

2.3 PACKING

WIRE SHALL BE BE SHIPPED ON NON-RETURNABLE SPOOLS. MAXIMUM WEIGHT OF WIRE PLUS SPOOL SHALL BE 25 POUNDS.

2.5 MARKING

2.5.1 IDENTIFY IN ACCORDANCE WITH MIL-STD-130. MARK WITH MANUFACTURER'S NAME, SYMBOL, TRADEMARK OR FSCM (OR NSCM) AND ITEM IDENTIFICATION NUMBER.

2.5.2 THE FOLLOWING INFORMATION SHALL APPEAR ON AT LEAST ONE END OF EACH SPOOL OF WIRE:

- A. TWO CONDUCTORS, WIRE SIZE.
- B. PROCURING AGENCY'S PURCHASE ORDER NUMBER AND DATE.

GENERAL ELECTRIC ESD-SY SYRACUSE, N Y		SIZE A	FSCM NO 03538	DWG NO 7099316	REV D
DRAWN SHERDRAN	SCALE		SHEET 3		
ISSUED 65-12-23					