

DWG NO. 7956846

LATEST REVISION					
EIR	REV	DESCRIPTION	CHK	DATE	APPROVED
343599-063	F	UPDATE TO EPOCH	JTL	05/09/89	KJT

1. SCOPE.


THIS DRAWING COVERS THE DETAIL REQUIREMENTS FOR EXTRA-FLEXIBLE ELECTRICAL HOOK-UP WIRE, 8 AWG, FOR SERVICE UP TO 200 DEG C AND 1,000 VOLTS RMS.

2. APPLICABLE DOCUMENTS.

THE FOLLOWING DOCUMENTS, OF THE ISSUE IN EFFECT ON THE DATE OF INVITATION FOR BIDS, FORM A PART OF THIS DRAWING TO THE EXTENT SPECIFIED HEREIN.

DOCUMENT NUMBER	DESCRIPTION
MIL-W-16878	WIRE, ELECTRICAL, INSULATED, HIGH TEMPERATURE
QD-W-343	WIRE ELECTRICAL, COPPER (UNINSULATED)

SPECIFICATION CONTROL DRAWING

CONTRACT NO. NONE		 SPERRY PARK P.O. BOX 64525, ST. PAUL, MN 55164-0525	
DRAWN	09/16/85	TITLE WIRE, ELECTRICAL -- HOOKUP 8 AWG, STRANDED	
CHECKED ROS	05/19/89		
ENGR NHT	08/11/87		
APPROVED	SIZE	FSCM NO.	DWG NO.
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3. REQUIREMENTS.

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ATTRIBUTE	VALUE
CONDUCTOR MATERIAL	SOFT OR ANNEALED COPPER
CONDUCTOR MATERIAL SPECIFICATION	PER QQ-W-343
CONDUCTOR COATING (PLATING)	SILVER
CONDUCTOR COATING THICKNESS	40 MICRONS MIN
CONDUCTOR SIZE (AWG)	8
CONDUCTOR DIAMETER	0.1625
CONDUCTOR CONSTRUCTION	BUNCH (STRANDED)
NUMBER OF STRANDS	665
INSULATION MATERIAL	SILICONE RUBBER
INSULATION MATERIAL SPECIFICATION	PER MIL-W-16878
VOLTAGE RATING (VOLTS)	1000
TEMPERATURE RATING (DEGREES C)	200
MAX CONDUCTOR DC RES./1000 FT (OHMS)	0.726
HEAT RESISTANCE (KV)	3.000
TENSILE STRENGTH, INSUL. (PSI) (MIN)	700
SPARK TEST (KV)	5.0
DIELECTRIC STRENGTH (KV)	3.000
INSUL. RES./1000 FT (MEGOHMS) (MIN)	500
INSULATION COLOR	*** SEE TABLE ***
OVERALL DIAMETER (INCHES)	0.292
MAX OVERALL DIA. TOL. (INSULATION)	0.305
MIN OVERALL DIA. TOL. (INSULATION)	0.280
MIN SURFACE RESISTANCE (MEGOHMS)	5
MIN INSULATION ELONGATION (%)	125
CONCENTRICITY	70%

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INSULATION COLOR

DASH	VALUE
000	WHITE
001	BROWN
002	RED
003	ORANGE
004	YELLOW
005	GREEN
006	BLUE
007	VIOLET
008	GRAY
009	BLACK

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3.2 REQUIREMENT TABLE.

NONE.

3.3 REQUIREMENT NOTES.

MARKING MINIMUM: MANUFACTURER'S IDENTIFICATION, MANUFACTURER'S PART NUMBER AND WIRE GAGE ALL TYPOGRAPHICALLY INDICATED ON PACKAGE.

4. QUALITY ASSURANCE PROVISIONS.

ITEMS FURNISHED TO THIS DRAWING SHALL MEET THE REQUIREMENTS LISTED HEREIN.

5. PREPARATION FOR DELIVERY.

THE ITEMS SHALL BE AFFORDED PRESERVATION AND PACKAGING TO ASSURE ADEQUATE PROTECTION DURING NORMAL COMMERCIAL HANDLING.

6. NOTES.

6.1 SUGGESTED SOURCE(S) OF SUPPLY:

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

SOURCES

FSCM	VENDOR AND ADDRESS
05973	CHAMPLAIN CABLE CORP. SUB OF HERCULES INC. HERCULES RD. COLCHESTER, VERMONT 05446
82878	ROME INDUSTRIES DIV OF GROMAN CORP. 6225 BENORE RD. P.O. BOX 6877 TOLEDO, OHIO 43612-4802
90484	DELTA SURPRENANT WIRE AND CABLE, INC 172 STERLING ST. CLINTON, MASSACHUSETTS 01510

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6.2

IDENTIFICATION NUMBER

DASH	FSCM	VENDOR NUMBER	STATUS	DATE
000	05973	7956846-00	ACTIVE	08/11/67
	82878	7956846-00		
	90484	7956846-00		
001	05973	7956846-01	ACTIVE	08/11/67
	82878	7956846-01		
	90484	7956846-01		
002	05973	7956846-02	ACTIVE	08/11/67
	82878	7956846-02		
	90484	7956846-02		
003	05973	7956846-03	ACTIVE	08/11/67
	82878	7956846-03		
	90484	7956846-03		
004	05973	7956846-04	ACTIVE	08/11/67
	82878	7956846-04		
	90484	7956846-04		
005	05973	7956846-05	ACTIVE	08/11/67
	82878	7956846-05		
	90484	7956846-05		
006	05973	7956846-06	ACTIVE	08/11/67
	82878	7956846-06		
	90484	7956846-06		
007	05973	7956846-07	ACTIVE	08/11/67
	82878	7956846-07		
	90484	7956846-07		
008	05973	7956846-08	ACTIVE	08/11/67
	82878	7956846-08		
	90484	7956846-08		
009	05973	7956846-09	ACTIVE	08/11/67
	82878	7956846-09		
	90484	7956846-09		

6.3 ENGINEERING NOTES.

NONE.

6.4 REFERENCE DATA.

NONE.

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