APPLIC	CATION	T	REVISIONS								
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED						
FOR PARTS APPLICATION			ORIGINATED								
SEE OD	32190	A	INITIAL RELEASE	15JAN 71							
		В	SEE WEO 06194	15APR 71	Din						
		С	SEE WECO 16624	E13 7MAR 74	900						
		D	SEE WECO 132580 BAF	30AUG 88	JWH						
		1	j								

INTERPRET DRAWING IN ACCORDANCE WITH MIL-D-1000.
PREPARED IN ACCORDANCE WITH MIL-STD-100A.

SINGLE LANGUAGE CODE																									
REV STATUS REV LTR			D	D														SPECIFICATION					ON		
OF SHEETS			1	2													CONTROL DRAWIN						NG		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: ANGLES + CONTR NO. NO0017-70-C-2403						DEPARTMENT OF THE NAVY NAVAL ORDNANCE SYSTEMS COMMAND WASHINGTON, D. C. 20360																			
ANCLES ± 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± DO NOT SCALE THIS DRAWING			CHK J. N. Pools WIAN TI APPO N. W. Smidl PEJANTI						WIRE, ELECTRICAL																
MATERIAL:		APPD APPROVED FOR NAVORD					SIZE CODE IDENT NO. NAVORD DWG NO.																		
14								SCA		NONE		SHEET 1 OF 2													

J53 #2903472 -1

NOTES

2903472-1

- DESCRIPTION: WIRE ELECTRICAL, SINGLE CONDUCTOR, HIGH 1. VOLTAGE.
- 2. **GENERAL:**
- WIRE SHALL BE IN ACCORDANCE WITH MIL-W-16878/8 TYPE FF-20 2.1 WITH THE FOLLOWING MODIFICATIONS.
- 3. REQUIREMENTS:
- CONDUCTOR: NO. 20 AWG, STRANDED, MINIMUM 19 STRANDS, EACH .008 (NO. 32 AWG) SILVER PLATED ANNEALED COPPER WIRE. 3.1
- 3.2 INSULATION: SILICONE RUBBER. WHITE, EXTRUDED NOMINAL WALL .033. AT ANY CROSS-SECTION ALONG THE COMPLETED WIRE THE MINIMUM THICKNESS OF THE INSULATION SHALL NOT BE LESS THAN 70 PERCENT OF THE MAXIMUM THICKNESS AT THAT CROSS-SECTION.
- 3.3 MAXIMUM OVERALL DIAMETER: .135 INCH.
- 3.4 MAXIMUM OPERATING VOLTAGE: 5000 VOLTS RMS, 10,000 VOLTS DC.
- 3.5 MINIMUM DIELECTRIC STRENGTH: 8,000 VOLTS RMS. 60 HZ FOR ONE (1) MINUTE.
- 3.6 SPARK TEST: 100 PERCENT OF THE FINISHED WIRE SHALL BE SPARK TESTED AT 5,000 VOLTS RMS.
- 3.7 CORONA EXTINCTION VOLTAGE: 3,000 VOLTS RMS.
- 3.8 OPERATING TEMPERATURE RANGE -65°C TO +200°C.
- 4. MARKING: IDENTIFY PER MIL-STD-130.
- 5. QUALITY ASSURANCE PROVISIONS: SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTION OF MIL-W-16878/8.

SUGGESTED SOURCE(S) OF SUPPLY:

BOSTON INSULATED WIRE AND CABLE CO., CODE IDENT NO. 71102

BOSTON, MASSACHUSETTS

PART NO. 5636-L-G20 WHIT

FL SURPRENANT DIVISION OF FL INDUSTRIES CODE IDENT NO. 90484

CLINTON, MA C1510 PART NO.

OF SUPPLY FOR THE ITEM(S).

1932A-PD341 (.033)

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

> CODE IDENT NO. NAVORD DWG NO. SIZE 10001

2903472

NONE SCALE REV D SHEET

FORM NO. 48-0560