



NOTES

2903472-1

- 1. DESCRIPTION: WIRE ELECTRICAL, SINGLE CONDUCTOR, HIGH VOLTAGE.
- 2. GENERAL:
  - 2.1 WIRE SHALL BE IN ACCORDANCE WITH MIL-W-16878/8 TYPE FF-20 WITH THE FOLLOWING MODIFICATIONS.
- 3. REQUIREMENTS:
  - 3.1 CONDUCTOR: NO. 20 AWG, STRANDED, MINIMUM 19 STRANDS, EACH .008 (NO. 32 AWG) SILVER PLATED ANNEALED COPPER WIRE.
  - 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 WHITE  
 FL SURPRENANT  
 DIVISION OF FL INDUSTRIES  
 CODE IDENT NO. 90484  
 CLINTON, MA 01510  
 PART NO. 1932A-PD341 (.033)

*Exclusively*

*CATON  
CAMELTON*

*005636  
1.78/FT  
STM*

*005636  
10*

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).

SIZE	CODE IDENT NO.	NAVORD DWG NO.
A	10001	2903472
SCALE	NONE	REV D
		SHEET 2

