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		APPD H.W. SMITH			1	8JAN71		WINE, LECTRICAL											
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				SCAL	ΕN	IONE			SHEET 1			SHEET 1 OF 2							

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NOTES

2903471-1

- DESCRIPTION: WIRE ELECTRICAL, SINGLE CONDUCTOR, HIGH VOLTAGE.
- 2. REQUIREMENTS:
- 2.1 CONDUCTOR: NO. 14 AWG, STRANDED, MINIMUM 19 STRANDS, EACH .0142 (NO. 27 AWG) SILVER PLATED ANNEALED COPPER WIRE.
- 2.2 INSULATION: SILICONE RUBBER, WHITE, EXTRUDED OVER A SEMICONDUCTING LAYER. 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.
- 2.3 MAXIMUM OVERALL DIAMETER: .325 INCH.
- 2.4 MAXIMUM OPERATING VOLTAGE: 60,000 VOLTS D.C., 18,000 VOLTS RMS.
- 2.5 MINIMUM DIELECTRIC STRENGTH: 45,000 VOLTS RMS, 60 HZ FOR ONE (1) MINUTE.
- 2.6 SPARK TEST: 100 PERCENT OF THE FINISHED WIRE SHALL BE SPARK TESTED AT 10,000 VOLTS RMS.
- 2.7 TENSILE STRENGTH OF INSULATION: 800 PSI, MINIMUM.
- 2.8 OPERATING TEMPERATURE RANGE: -65°C TO +200°C.
- 2.9 MINIMUM BEND DIAMETER FOR BEND TEST AT -65°C SHALL BE 3 INCHES.
- 3. QUALITY ASSURANCE PROVISIONS: LOT ACCEPTANCE SHALL BE AS DEFINED IN THE QUALITY ASSURANCE PROVISIONS SPECIFIED IN THE INDIVIDUAL PURCHASE ORDER.

SUGGESTED SOURCE(S) OF SUPPLY:

BOSTON INSULATED WIRE AND CABLE CO., CODE IDENT NO. 71102 BOSTON, MASSACHUSETTS PART NO. 2841-L-G14 (WHITE)

CONTINENTAL WIRE CORP., CODE IDENT NO. 91032 560 MARYLAND AVENUE YORK, PENNSYLVANIA 17405 PART NO. EN8845(WHITE)

SIZE A	CODE IDE	NT NO.	2903471						
SCALE	NONE	REV B	SHEET 2						

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