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DWGNO127-6013A

SH1

REV G

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CABLE LENGTH TOLERANCE

ENGLISH		[METRIC]	
≤1FT	+1/ -0 IN	≤0.3m	+25mm -0mm
>1 FT - 5 FT	+2/ -0 IN	.0.3 m-1.5m	+50mm -0mm
> 5 FT - 10 FT	+4/ -0 IN	>1.5m-3m	+100mm -0mm
>10 FT	+6 / -0 IN	>3m	+150mm -0mm

CAPACITANCE LABEL

CAPACITANCE
XXXpF

6013AXX

ID LABEL

2X STRAIN RELIEF

2X 10-32 COAXIAL CONNECTOR

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XX=LENGTH IN FEET

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SINGLE CONDUCTOR SHIELDED LOW NOISE CABLE

AWG	30-7/38 NICKEL PLATED COPPER
TEMP	200 DEG C WIRE RATED
VOLTAGE	600 VOLTS
CONDUCTOR INSULATION	EXTRUDED PTFE, CLEAR, .032 DIA NOM.
CAPACITANCE (SHIELD TO CONDUCTOR)	27 pF/FT
LOW NOISE WRAP #1 & #2	CARBON TAPE
IMPEDANCE	52 OHMS
INDUCTANCE	.80 microH/FT
SHIELD	38 AWG SILVER PLATED COPPER BRAID, 85% MIN COVERAGE, .050 DIA NOM
RESISTANCE	.20 OHM
JACKET	RED PTFE WRAP .005-.010 WALL
DIAMETER	.073 DIA NOM.
MINIUM BEND RADIUS	1 IN

4. CABLE IS LOW OUT-GASSING PER NASA SPECIFICATIONS OF TML (TOTAL MASS LOSS) LESS THAN 1% AND CVCM (COLLECTED VOLATILE CONDENSABLE MASS) LESS THAN 0.1%.

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SEE CABLE SPECIFICATION TABLE

2. OPERATING RANGE: -67°F (-55°C) TO 500°F (260°C)

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XX=WILL VARY IN FEET PER CUSTOMER REQUIREMENTS, FOR EXAMPLE: 6013A10 IS A 10FT CABLE

NOTES: UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED:
INTERPRET DIM & TOL PER
ASME Y14.5M - 1994.
REMOVE BURRS.
COUNTERSINK INTERNAL THDS
90° TO MAJOR DIA.
CHAM EXT THDS 45° TO MINOR DIA.
THD LENGTHS AND DEPTHS ARE FOR
MIN FULL THDS.
DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES.
TOTAL RUNOUT WITHIN .005.
BREAK SHARP EDGES .005 TO .010.
MACHINED FILLET RADII .005 TO .015.
WELDING SYMBOLS PER AWS A2.4.
ABBREVIATIONS PER MIL-STD-12.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:

DECIMALS	METRIC	ANGLES
.XX ±.03	.X ±0.8	ANGLES ±1°
.XXX ±.010	.XX ±0.25	

APPROVALS

DATE

ORIGNC10/05/82

CHKMPH10/05/82

APPCES06/23/06

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

DYTRAN
INSTRUMENTS, INC.

Chatsworth, CA

TITLE:

OUTLINE INSTALLATION
DRAWING, LOW NOISE CABLE, 10-
32 TO 10-32 MODEL 6013A

SIZE

CAGE CODE

DWG NO

REV

B

2W033

127-6013A

G

SCALE:

NONE

SHEET 1 OF

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172-0186 REV A

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