

**PROPRIETARY AND CONFIDENTIAL**

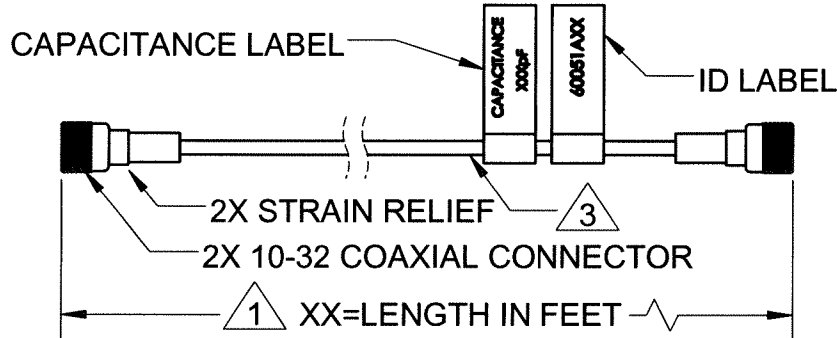
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

**1 CABLE LENGTH TOLERANCE**

ENGLISH		[METRIC]	
≤1 FT	+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 - 25FT	+6 / -0 IN	>3m-7.5m	+150mm -0mm
>25 FT	+5% / -0%	>7.5m	+5%/-0%

**REVISIONS**

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	14016	OPERATIONAL TEMPERATURE IS: 500 °F (260 °C), WAS: 392 °F (200 °C)	DP 02/02/18	RA	LN
C	15346	NOTE 4 IS: LOW OUT-GASSING PER NASA SPECIFICATIONS OF TML... WAS: LOW OUT-GASSING	DP 09/27/19	RA	LN



**3 CABLE DESCRIPTION**

WIRE	29 AWG, SOLID, NICKEL PLATED COPPER
LOW NOISE BARRIER #1	LIQUID GRAPHITE
WIRE INSULATION	EXTRUDED TFE
LOW NOISE BARRIER #2	GRAPHITE IMPREGNATED PTFE TAPE
SHIELD	38 AWG, NICKEL PLATED COPPER, BRAID: 90% MINIMUM COVERAGE
JACKET	YELLOW PTFE WRAP
DIAMETER	.079
TEMP	-196 TO +260 DEG C (-320 TO +500 DEG F)
VOLTAGE	600V
CAPACITANCE	30PF/FT
IMPEDANCE	50 OHM

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%.

3 SEE CABLE SPECIFICATION TABLE.

2. OPERATING RANGE: -67°F (-55°C) TO 302°F (150°C) WITH LABELS  
-67°F (-55°C) TO 500°F (260°C) WITHOUT LABELS

1 XX=WILL VARY IN FEET PER CUSTOMER REQUIREMENTS, FOR EXAMPLE: 60051A10 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. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE: INCHES    METRIC    ANGLES .XX ± .03    .X ± 0.8    ± 1° .XXX ± .010    .XX ± 0.25
USED ON    NEXT ASSY	MATERIAL
APPLICATION	FINISH
THIRD ANGLE PROJECTION USA	DO NOT SCALE DRAWING
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.	

CONTRACT NO.		
APPROVALS		DATE
ORIG	MH	04/28/17
CHK	EM	07/12/17
APP	LN	07/12/17
APP		

**DYTRAN INSTRUMENTS, INC.** Chatsworth, CA

**MASTER ONLY IF IN RED**

TITLE: **OUTLINE INSTALLATION DRAWING, LOW NOISE CABLE, 10-32 TO 10-32 MODEL 60051A**

SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-60051A</b>	REV <b>C</b>
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	