PROPRIETARY AND CONFIDENTIAL

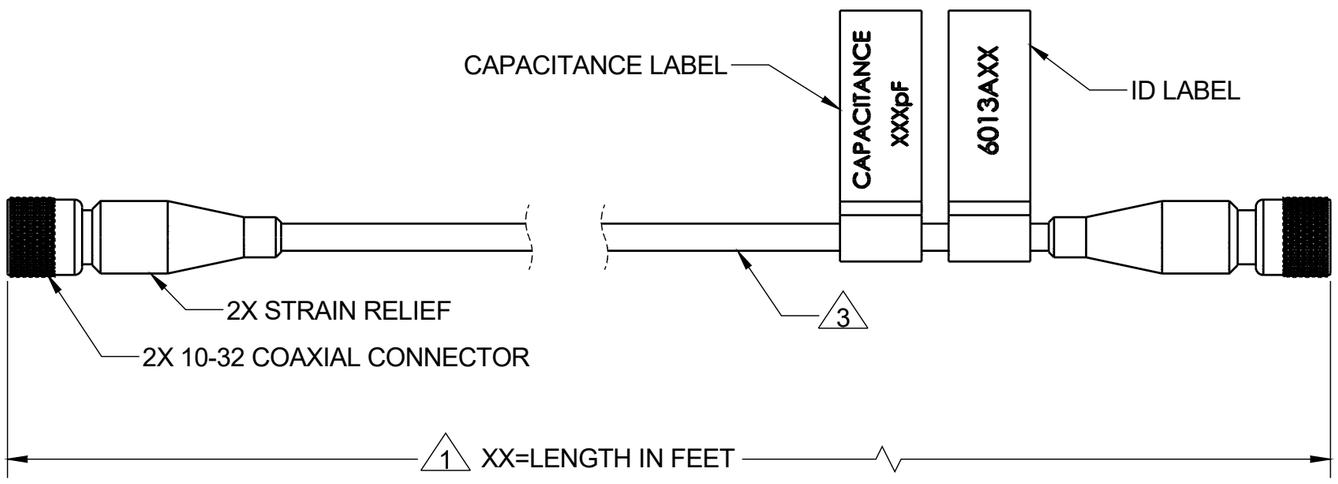
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	12632	ADDED LENGTH TOLERANCE TABLE	JS 04/11/16	LA	LN
F	15340	SEE ECN	DA, 09/25/19	KG	LN
G	17137	SEE ECN	MA 4/28/2023	JB	AS

1 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



3 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%.

3 SEE CABLE SPECIFICATION TABLE

2. OPERATING RANGE: -148°F (-100°C) TO 230°F (110°C)

1 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	±1°
.XXX ±.010	.XX ±0.25	

APPROVALS		DATE
ORIG	NC	10/05/82
CHK	MPH	10/05/82
APP	CES	06/23/06

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 1