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DWG NO 127-60064A

SH 1 REV B

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1 CABLE LENGTH TOLERANCE

REVISIONS

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 - 25FT	+6 / -0 IN	>3m-7.5m	+150mm -0mm
>25 FT	+5% / -0%	>7.5m	+5%/-0%

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	13586	INITIAL RELEASE	RA, 07/14/17	EM	EP
B	14368	NOTE 4 500°F (260°C) WAS: 392°F (200°C)	RA, 07/25/18	DP	W

Technical drawing of a cable assembly. The drawing shows a 10-32 coaxial connector on the left, followed by a strain relief section, and a BNC connector on the right. Dimensions include a diameter of $\phi .25$ [6.3] for the coaxial connector and $\phi .55$ [14] for the BNC connector. Callouts 1, 2, 3, and 4 indicate specific features and operating ranges. The length of the cable is denoted as "XX" = LENGTH IN FEET.

Schematic diagram showing the electrical connections of the cable assembly. It depicts a central cable with two circular connectors at each end, representing the coaxial and BNC connectors.

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 OPERATING RANGE: -15°F (-26°C) TO 500°F (260°C)
 3 SEE CABLE SPECIFICATION TABLE
 2 OPERATING RANGE: -67°F (-55°C) TO 230°F (110°C)
 1 XX=WILL VARY IN FEET PER CUSTOMER REQUIREMENTS, FOR EXAMPLE: 60064A10 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	RA	07/14/17
CHK	EM	07/25/17
APP	EP	07/25/17

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN REDTITLE:
OUTLINE/INSTALLATION DRAWING, CABLE,
ULTRA LOW-NOISE 10-32 TO BNC PLUG,
MODEL 60064A, RoHS COMPLIANT

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-60064A	B

SCALE: 1:2 SHEET 1 OF 1

172-0186 REV A

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