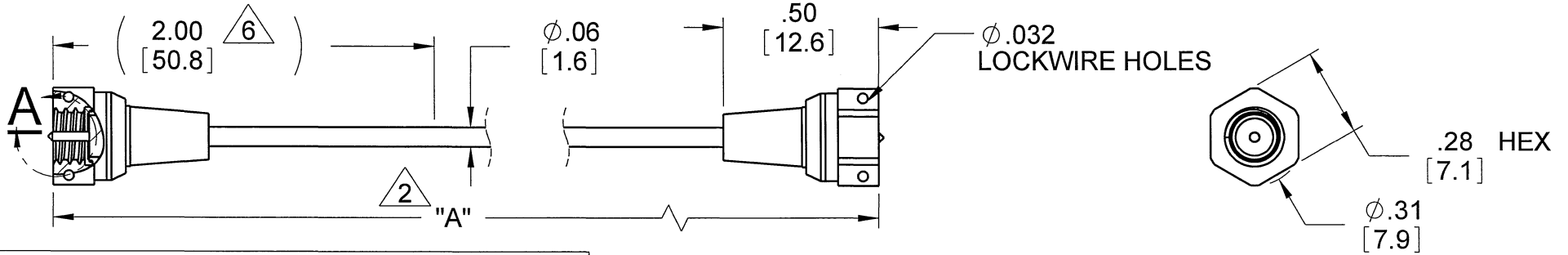


**PROPRIETARY AND CONFIDENTIAL**

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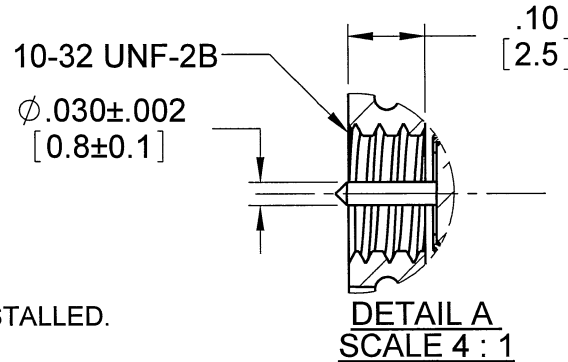
**REVISIONS**

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7151	INITIAL RELEASE	RA, 10/13/10	<i>RA</i>	<i>DV</i>



**MATERIALS**

JACKET	304L SS
NUT	304L SS
STRAIN RELIEF	304L SS
PIN	304L SS
CABLE INSULATOR	SILICON DIOXIDE
CONNECTOR INSULATOR	MACOR



MODEL NUMBER	DIM A
6946A1.7	20.0±.5 (1.7 FT)
6946A03	36.0±1.0 (3 FT)
6946A05	60.0±3.0 (5 FT)
6946A08	96.0±3.0 (8 FT)
6946A10	120.0±3.0 (10 FT)
6946A15	180.0±5.0 (15 FT)
6946A20	240.0±6.0 (20 FT)

- 6 DO NOT BEND CABLE WITHIN SECTION INDICATED ON BOTH ENDS OF CABLE. DO NOT BEND CABLE WHILE INSTALLED.
- 5. WEIGHT: 2.5 GRAMS PER FOOT APPROX.
- 4. MAXIMUM TORQUE: 12 LB-INCH.
- 3. MINIMUM BENDING RADIUS: 1.4 INCH.
- 2 CABLE LENGTH IS VARIABLE AND DESIGNATED AS LAST 2 DIGITS OF MODEL NUMBER. EXAMPLE: 6946A10 IS 10 FEET LONG.
- 1. MAXIMUM TEMPERATURE: 900 °F.

NOTES: UNLESS OTHERWISE SPECIFIED.

<p>UNLESS OTHERWISE SPECIFIED: INTERPRET DIM &amp; 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.</p>		<p>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</p>		<p>CONTRACT NO.</p>		<p><b>DYTRAN INSTRUMENTS, INC.</b> <b>MASTER ONLY IF IN RED</b> Chatsworth, CA</p>			
USED ON	NEXT ASSY	<p>TITLE: <b>OUTLINE/INSTALLATION DRAWING, HARDLINE CABLE, MODEL 6946A</b></p>		APPROVALS	DATE	SIZE	CAGE CODE	DWG. NO.	REV
APPLICATION		MATERIAL		ORIG	RA	A	2W033	127-6946A	A
THIRD ANGLE PROJECTION USA		FINISH		CHK	<i>RA</i>	10/13/10			
<p>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.</p>		DO NOT SCALE DRAWING		APP	<i>DV</i>	10/25/10			
				APP		SCALE: 2:1	SOLIDWORKS	SHEET 1 OF 1	