

PROPRIETARY AND CONFIDENTIAL

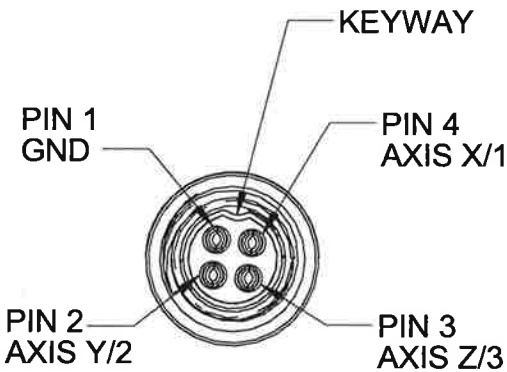
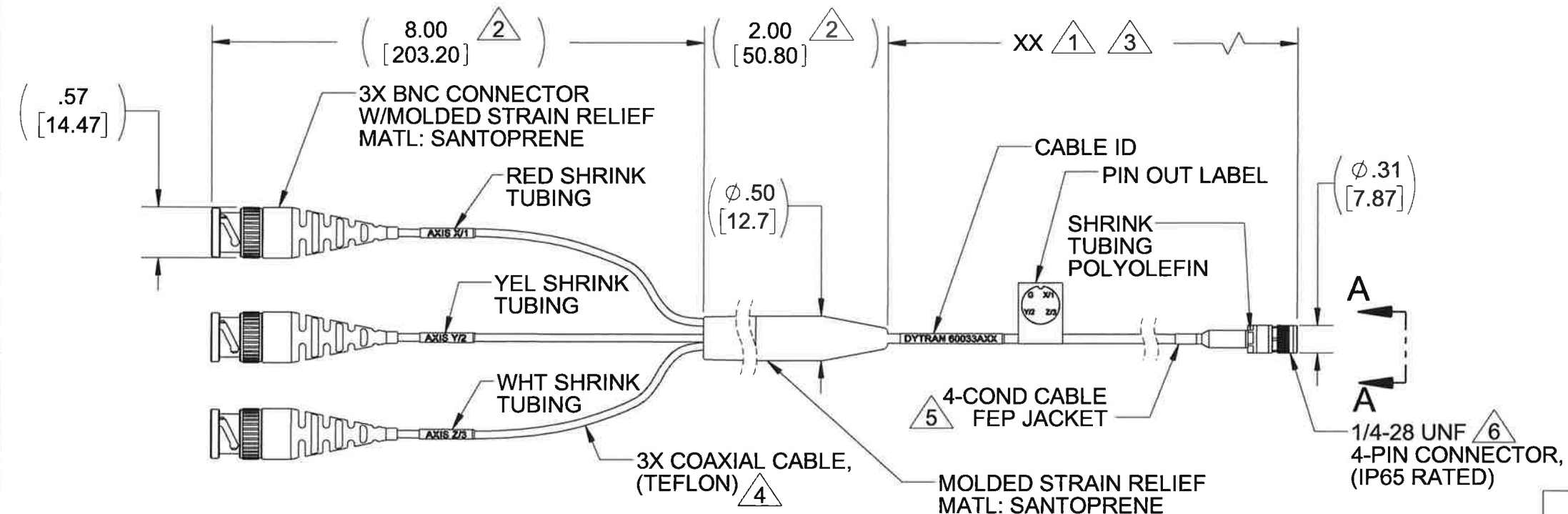
REVISIONS

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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 - 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	13079	INITIAL RELEASE	LA 10/27/16	EM	LN
B	13524	SHT 2 OF 2 ADDED CONNECTOR MATING DETAIL	RA, 06/28/17	EM	AS
C	13956	CHANGE TO FLAG NOTE 6: IS: IP65, WAS: IP67	RA 01/08/18	EM	LN



VIEW A-A
SCALE 3 : 1

5 4 CONDUCTOR, SHIELDED CABLE	
WIRE	30 AWG 7/38 SILVER PLATED COPPER
SHIELD	SILVER PLATED COPPER BRAID, 90% MIN COVERAGE
JACKET	FEP, BLACK, .006/.015 WALL
DIAMETER	.105 MAX
TEMP	-65 °C (-85 °F) TO +200 °C (+392 °F)
VOLTAGE	250 VOLTS

- 6 IP 65 RATING IN MATED CONDITION, SEE SHEET 2 OF 2.
- 5 SEE TABLE FOR 4 CONDUCTOR CABLE SPECIFICATION.
- 4 SEE TABLE FOR SINGLE CONDUCTOR CABLE SPECIFICATION, SEE SHEET 2 OF 2.
- 3 OPERATING TEMPERATURE: -67 °F (-55 °C) TO 275 °F (135 °C)
- 2 TEMPERATURE RATING: -55 °C TO 110 °C (67 °F TO 230 °F).
- 1 PART NUMBER 60033AXX. "XX" DENOTES LENGTH IN FEET.

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	LA	10/27/16
CHK	EM	05/30/17
APP	LN	06/07/17

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
USA

DYTRAN
INSTRUMENTS, INC.
Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION
DRAWING, CABLE ASSY, MINI
4-PIN PLUG TO (3) BNC**

SIZE B	CAGE CODE 2W033	DWG NO 127-60033A	REV C
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SCALE: 1:1

SHEET 1 OF 2

4

3

DWG NO

127-60033A

SF 2

REV C

2

1

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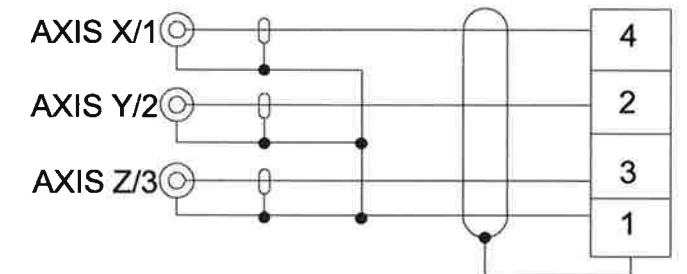
SENSOR 3023A WITH 4-PIN CONN. REF

3023A CONN. SEATED
OVER O-RING, FULLY
MATED BY HAND

SHRINK TUBING

RETRACT NUT EXPOSING
CONN. BODY

O-RING



SCHEMATIC DIAGRAM

4 SINGLE CONDUCTOR SHIELDED CABLE

WIRE	30-7/38 SILVER PLATED COPPER
WIRE INSULATION	EXTRUDED PTFE, NATURAL, Ø.033 ±.002
SHIELD	38 AWG SILVER PLATED COPPER BRAID, 95% MIN COVERAGE, Ø.054 NOM
JACKET	WHT PTFE WRAP .005-.010 WALL
DIAMETER	Ø.074±.006
TEMP	200 DEG C WIRE RATED
VOLTAGE	2000 VAC
INDUCTANCE	.80 microH/FT
MINIMUM BEND RADIUS	.38 IN
CAPACITANCE (SHIELD TO CONDUCTOR)	32 pF/FT
IMPEDANCE	50 OHMS

NUT TIGHTENED BY HAND
DRAWING PARTS TOGETHER

6 CONNECTOR MATING DETAIL
SCALE: 2:1



TITLE: **OUTLINE/INSTALLATION
DRAWING, CABLE ASSY, MINI
4-PIN PLUG TO (3) BNC**

SIZE B	CAGE CODE 2W033	DWG NO 127-60033A	REV C
SCALE: 1:1	PART NO:	SHEET 2 OF 2	

4

3

2

1