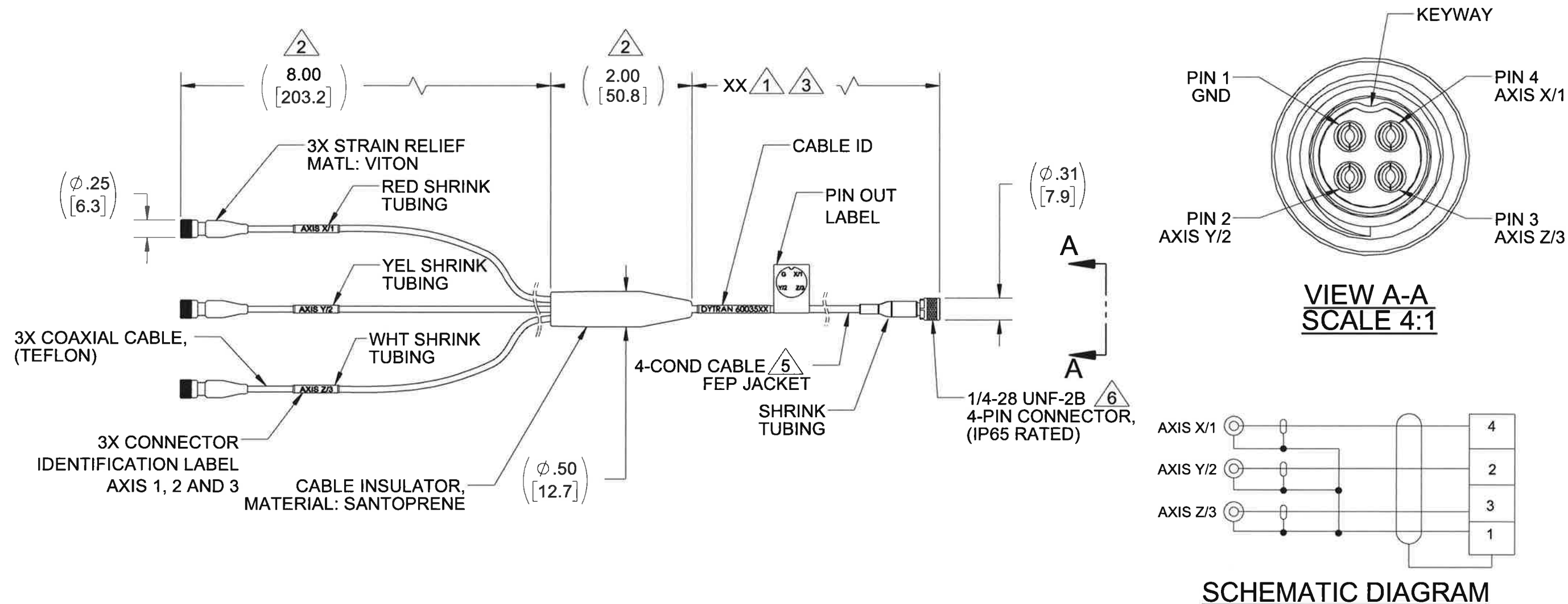


PROPRIETARY AND CONFIDENTIAL

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
A	13460	INITIAL RELEASE, SAME AS X1	RA 05/12/17	MH	LN
B	13524	ADDED CONNECTOR MATING DETAIL, SHT 2 OF 2	RA, 06/27/17	EM	LN
C	13956	CHANGE TO FLAG NOTE 6: IS: IP65, WAS: IP67	RA 01/08/18	EM	LN



- 6 IP65 RATING IN MATED CONDITION. SEE MATING DETAIL, SHEET 2 OF 2.
- 5 SEE TABLE FOR 4 CONDUCTOR CABLE SPECIFICATION, SHEET 2 OF 2.
- 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 60035AXX. "XX" DENOTES LENGTH IN FEET, SEE SHEET 2 OF 2.

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	11/04/16
CHK	MH	05/26/17
APP	LN	05/31/17

DO NOT SCALE DRAWING



TITLE:
**OUTLINE/INSTALLATION
DRAWING 4 PIN PLUG TO 10-32**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-60035A	C
SCALE: 1:1		SHEET 1 OF 2	

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

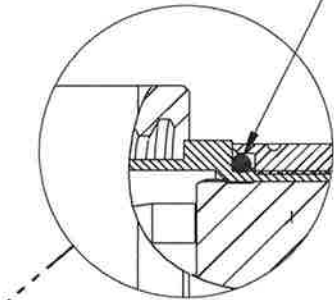
RETRACT NUT EXPOSING
CONN. BODY

O-RING

SENSOR 3023A
WITH 4-PIN CONN. REF

SHRINK TUBING

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



NUT TIGHTENED BY HAND
DRAWING PARTS TOGETHER

6 CONNECTOR MATING DETAIL
SCALE 2 : 1

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

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%

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



TITLE:
OUTLINE/INSTALLATION DRAWING
4 PIN PLUG TO 10-32

SIZE B	CAGE CODE 2W033	DWG NO 127-60035A	REV C
SCALE: 1:1	PART NO:	SHEET 2 OF 2	