

PROPRIETARY AND CONFIDENTIAL

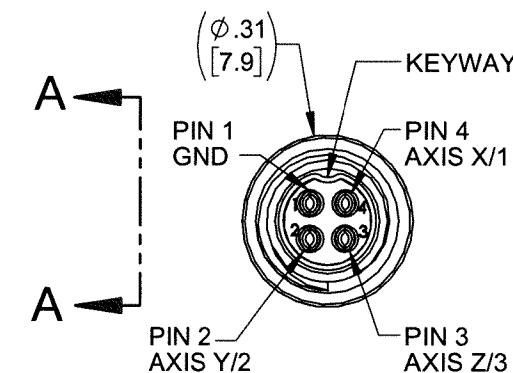
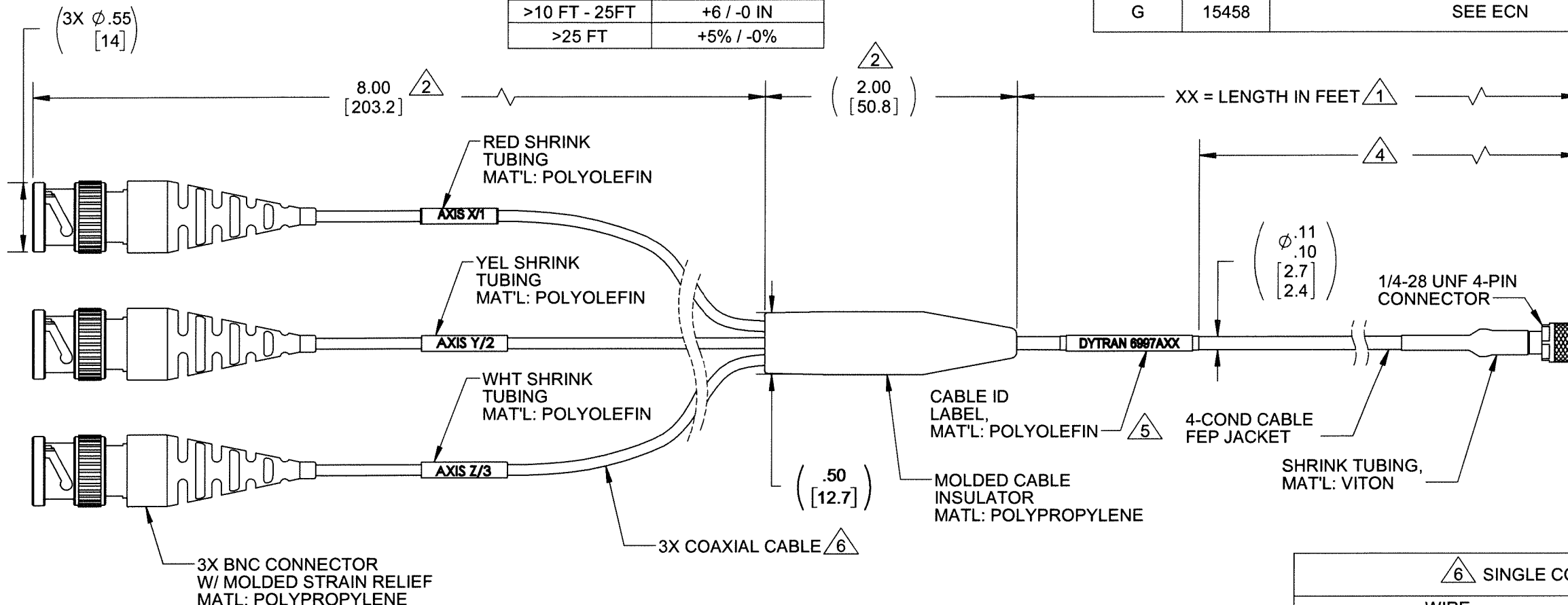
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1 CABLE LENGTH TOLERANCE

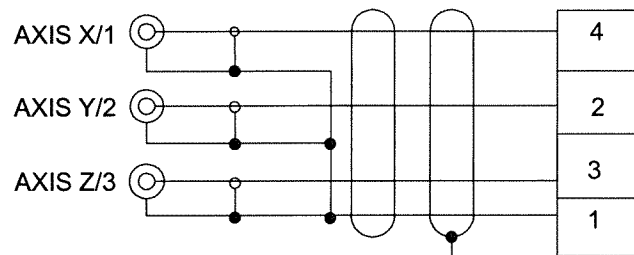
≤1FT	+1/ -0 IN
>1 FT - 5 FT	+2/ -0 IN
> 5 FT - 10 FT	+4/ -0 IN
>10 FT - 25FT	+6 / -0 IN
>25 FT	+5% / -0%

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	14781	REVISED VIEW OF 4-PIN CONNECTOR	RA, 01/11/19	DP	LN
G	15458	SEE ECN	RA, 12/04/19		



3X BNC CONNECTOR W/ MOLDED STRAIN RELIEF MATL: POLYPROPYLENE



SCHEMATIC DIAGRAM

5 4 CONDUCTOR, SHIELDED CABLE	
CONDUCTORS	30 AWG 7/38 SILVER PLATED COPPER
WIRE TYPE	PFA INSULATION OD .024" ±.002"
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 SINGLE CONDUCTOR SHIELDED CABLE	
WIRE	30-7/38 SILVER PLATED COPPER
WIRE INSULATION	WRAPPED 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

6 SEE TABLE FOR CABLE SPECIFICATIONS.

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4 OPERATING TEMPERATURE: -15°F (-26°C) TO 392°F (200°C)

3. 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%.

2 TEMPERATURE RATING: -55°C TO 120°C.

1 PART NUMBER 6997AXX. "XX" DENOTES LENGTH IN FEET. SEE TABLE FOR CABLE TOLERANCES.

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 .XX ±.03 X ± 0.8 .XXX ±.010 .XX ±0.25 ANGLES ±1°

APPROVALS		DATE
ORIG	JS	10/25/11
CHK	ANS	11/11/11
APP	DV	11/23/11

DYTRAN INSTRUMENTS, INC. Chatsworth, CA **MASTER ONLY IF IN RED**

TITLE: **OUTLINE/INSTALLATION DRAWING, 4 PIN LONG NOSE TO (3) BNC, LOW OUTGASSING, 6997A**

SIZE **B** CAGE CODE **2W033** DWG NO **127-6997A** REV **G**

SCALE: 1:1 SHEET 1 OF 1