

PROPRIETARY AND CONFIDENTIAL

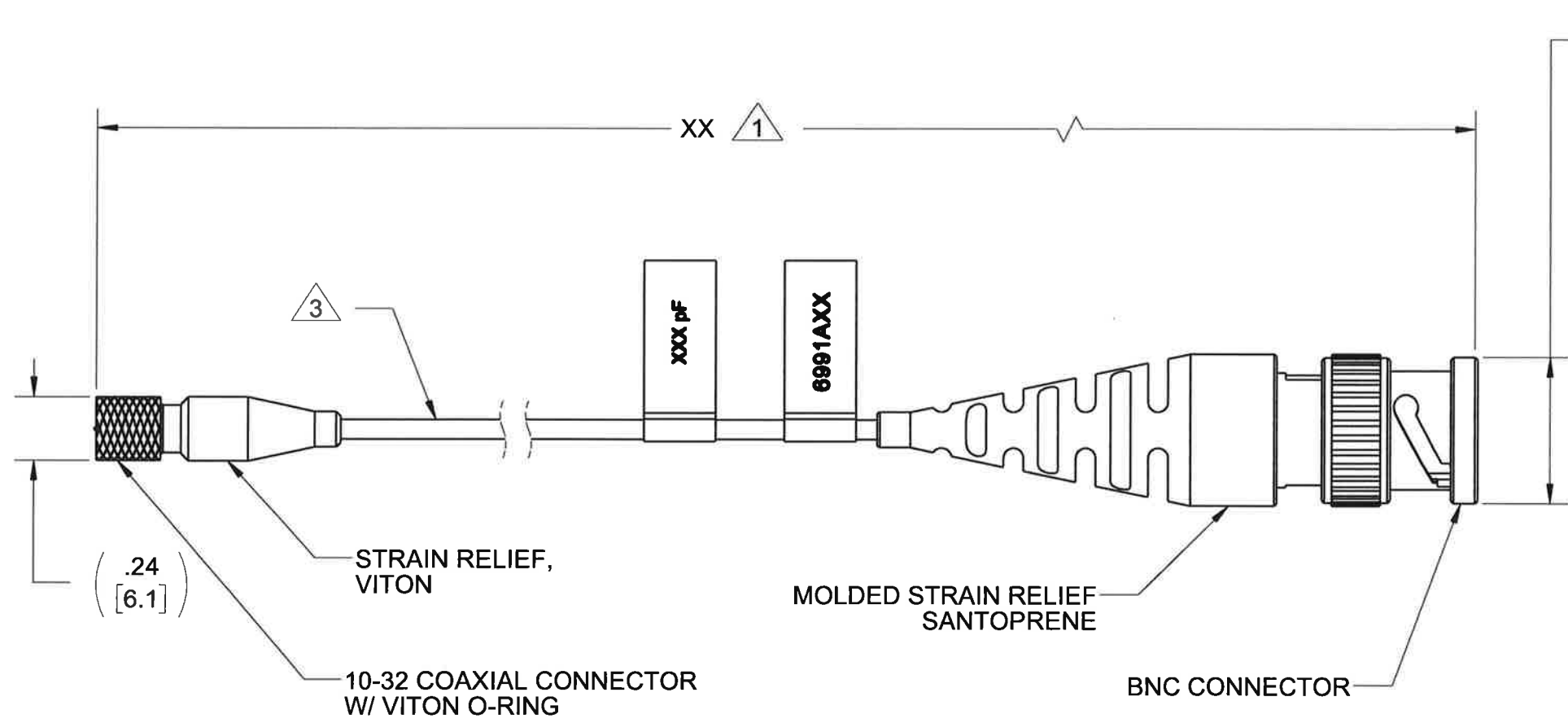
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1 CABLE LENGTH TOLERANCE

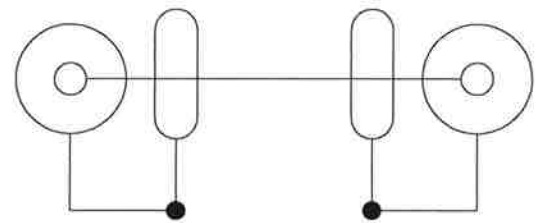
ENGLISH		[METRIC]	
≤1FT	+1/ -0 IN	≤0.3m	+25mm -0mm
>1 FT - 5 FT	+2/ -0 IN	.0.3 m-1.5m	+50mm -0mm
> 5 FT - 10 FT	+4/ -0 IN	>1.5m-3m	+100mm -0mm
>10 FT - 25FT	+6 / -0 IN	>3m-7.5m	+150mm -0mm
>25 FT	+5% / -0%	>7.5m	+5%/-0%

REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7912	INITIAL RELEASE	JS 10/13/11	DV	AS
B	13312	SEE ECN	LA 03/09/17	MH	LN



3 SINGLE CONDUCTOR SHIELDED LOW NOISE CABLE	
WIRE	30 AWG-7/38 NICKEL PLATED COPPER
LOW NOISE WRAP #1	CARBON TAPE
WIRE INSULATION	EXTRUDED PTFE, CLEAR, .032 DIA NOM.
LOW NOISE WRAP #2	CARBON TAPE
SHIELD	38 AWG SILVER PLATED COPPER BRAID, 85% MIN COVERAGE, .050 DIA NOM
JACKET	RED PTFE WRAP .005-.010 WALL
DIAMETER	.073 DIA NOM.
MINIUM BEND RADIUS	1 IN
TEMP	200 DEG C WIRE RATED
VOLTAGE	600 VOLTS
CAPACITANCE	27 pF/FT
IMPEDANCE	52 OHMS
INDUCTANCE	.80 microH/FT
RESISTANCE	.20 OHM



SCHEMATIC DIAGRAM

- 3 SEE CABLE SPECIFICATION TABLE
  - 2. OPERATING RANGE: -15°F (-26°C) TO 230°F (110°C)
  - 1 MODEL NUMBER 6991AXX, XX DENOTES LENGTH IN FEET.
- NOTES: UNLESS OTHERWISE SPECIFIED

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

ORIG	CHK	APP	DATE
JS	DV	AS	08/19/11
			11/02/11
			11/02/11

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.

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION  
USA

**MASTER COPY IS IN RED**

**DYTRAN INSTRUMENTS, INC.**  
Chatsworth, CA

TITLE: **OUTLINE INSTALLATION DRAWING, CABLE , LOW NOISE 10-32 TO BNC, HIGH VIBRATION, MODEL 6991A**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-6991A	B

SCALE: 1:2

SHEET 1 OF 1