

PROPRIETARY AND CONFIDENTIAL

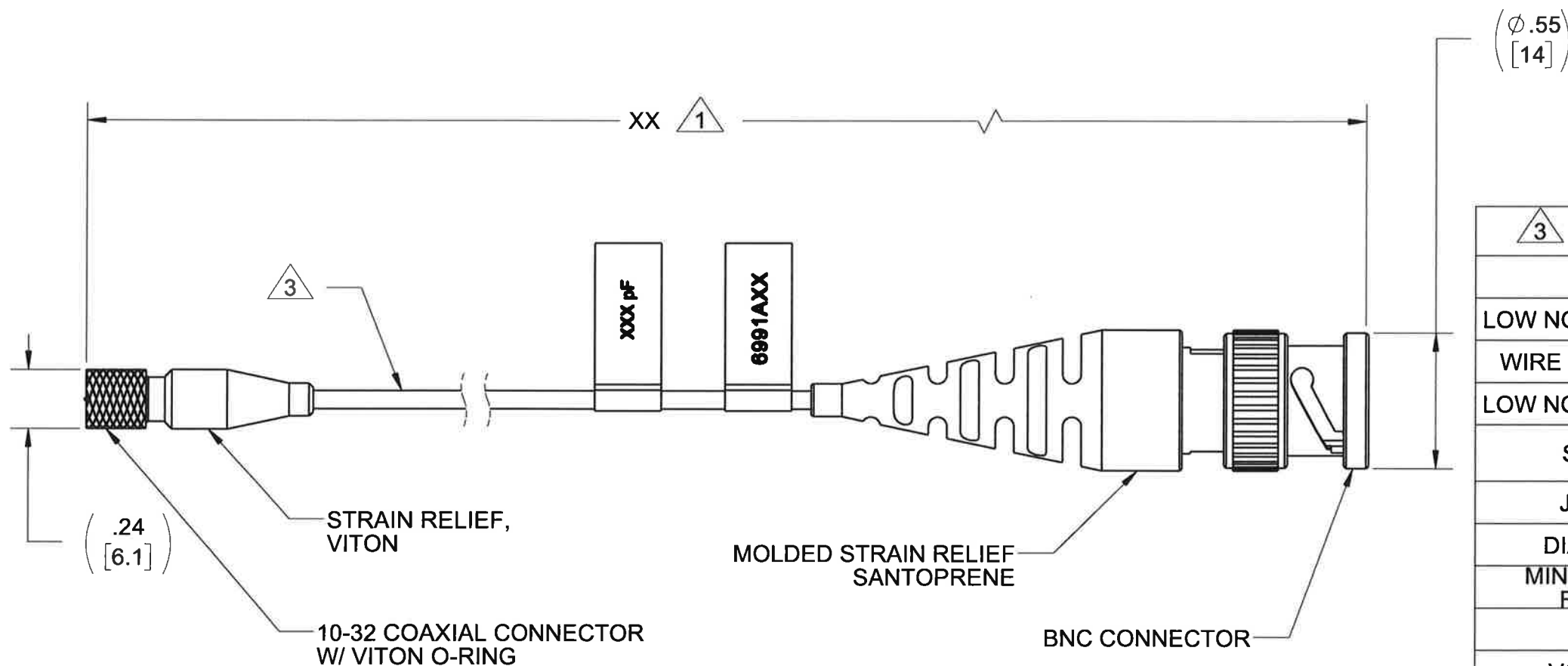
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1 CABLE LENGTH TOLERANCE

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:
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	JS	08/19/11
CHK	DV	11/02/11
APP	AS	11/02/11

DO NOT SCALE DRAWING



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	