

PROPRIETARY AND CONFIDENTIAL

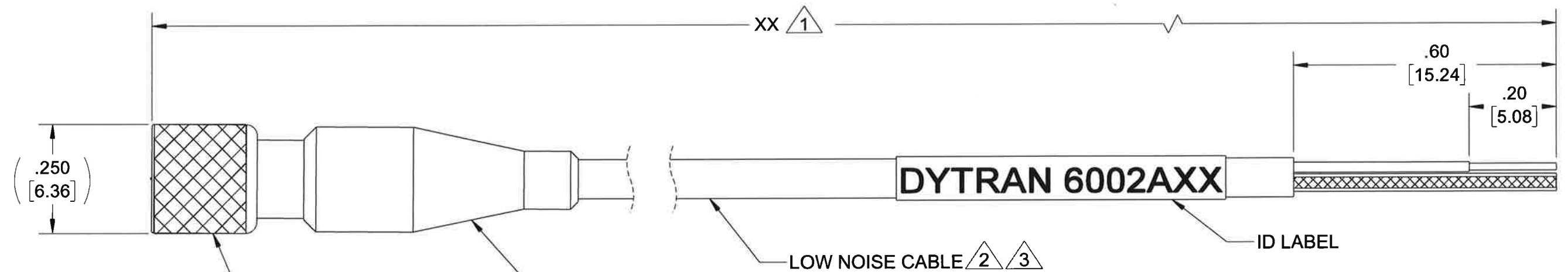
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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	12254	ADDED RoHS COMPLIANT TO DRAWING TITLE, REDRAWN IN SOLIDWORKS	LA 10/26/20	JS	LN
D	12923	DRAWING TITLE, ADDED: "LOW OUTGASSING", ADDED: NOTE 3	LA 08/25/16	JS	LN
E	12972	ADDED NOTE 4; TITLE IS: PIGTAIL WAS: CUT OFF	LA 09/23/16	JS	LN
F	13717	RELOCATED OVERALL DIMENSION	RA, 09/13/17	MH	LN

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%



SCHMATIC DIAGRAM

2 3 SINGLE CONDUCTOR LOW NOISE CABLE	
AWG	30-7/38 SILVER PLATE
TEMP	200 DEG C WIRE RATED
DIAMETER	Ø.073 NOM.
JACKET	RED PTFE WRAP .005-.010 WALL
VOLTAGE	600 VOLTS
SHIELD	38 AWG SILVER PLATED COPPER BRAID, 85% MIN COVERAGE, Ø.050 NOM
CONDUCTOR INSULATION	EXTRUDED PTFE, CLEAR, Ø.032 NOM.
LOW NOISE WRAP #1 & #2	CARBON TAPE
MIN BEND RADIUS	1.00 INCH

- 4. OPERATING RANGE TEMPERATURE: -67 °F (55 °C) TO 392 °F (200 °C).
- 3 CABLE IS LOW OUTGASSING PER NASA SPECIFICATIONS OF TML (TOTAL MASS LOSS) LESS THAN 1%; AND CVCM (COLLECTED VOLATILE CONDENSABLE MASS) LESS THAN 0.1%.
- 2 SEE CABLE TABLE FOR CABLE SPECIFICATIONS.
- 1 PART NUMBER 6002AXX, "XX" DENOTES CABLE 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.

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	NC	03/21/00
CHK	MH	03/21/00
APP	CES	08/01/02

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

TITLE: OUTLINE/ INSTALLATION DRAWING, LOW NOISE/LOW OUTGASSING CABLE, 10-32 TO PIGTAIL, RoHS COMPLIANT, MODEL 6002A

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-6002A	F

SCALE: 4:1 PART NO: SHEET 1 OF 1