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172-0186 REV A

127-6010A

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C

PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	12749	REDRAWN IN SOLIDWORKS	JS 06/20/16	LA	LN
C	12972	NOTE 3 WAS: TEMPERATURE RANGE: -55 °C (-67 °F) TO 115 °C (239 °F).	LA 09/23/16	9/	W

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%

XX 1

2X STRAIN RELIEF

2X 10-32 COAXIAL CONNECTOR

CABLE ID LABEL

6010AXX

2

(Ø .25)
[6.3]

2 SINGLE CONDUCTOR SHIELDED CABLE

AWG	30-7/38 SILVER PLATED COPPER
TEMP	200 DEG C WIRE RATED
DIAMETER	Ø.074±.006
WITHSTANDING VOLTAGE	2000 VAC
JACKET	WHT PTFE WRAP .005-.010 WALL
CONDUCTOR INSULATION	EXTRUDED PTFE, NATURAL, Ø.033 ±.002
CAPACITANCE (SHIELD TO CONDUCTOR)	32 pF/FT
IMPEDANCE	50 OHMS
INDUCTANCE	.80 microH/FT
SHIELD	38 AWG SILVER PLATED COPPER BRAID, 95% MIN COVERAGE, Ø.054 NOM
MINIMUM BEND RADIUS	.38 IN

SCHEMATIC DIAGRAM

3. TEMPERATURE RANGE:-55 °C (-67 °F) TO 200 °C (392 °F).

2 SEE TABLE FOR CABLE SPECIFICATIONS.

1 PART NUMBER 6010AXX (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.

63/

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS IN BRACKETS [] ARE IN
MILLIMETERS TOLERANCES ARE:
DECIMALS METRIC ANGLES
.XX ±.03 .X ± 0.8
.XXX ±.010 .XX ±0.25 ±1°

APPROVALS

DATE

ORIG NC 07/18/02

CHK MPH 07/18/02

APP CES 07/18/02

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

USA

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

TITLE:
OUTLINE/INSTALLATION
DRAWING CABLE ASSEMBLY,
10-32 TO 10-32, MODEL 6010A

SIZE B

CAGE CODE 2W033

DWG NO 127-6010A

REV C

SCALE: 1:1

SHEET 1 OF 1