PROPRIETARY AND CONFIDENTIAL

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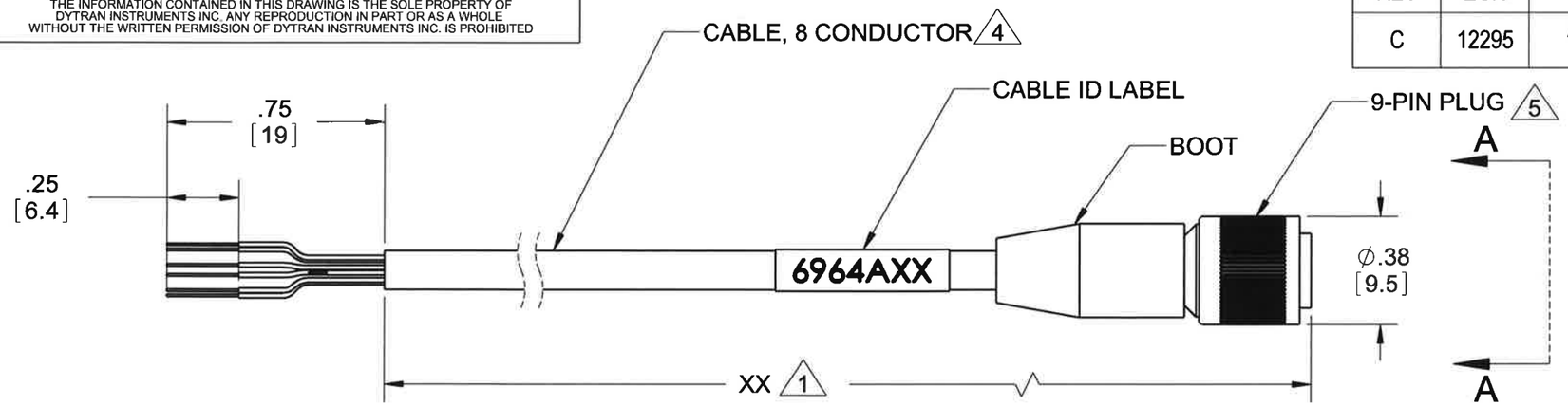
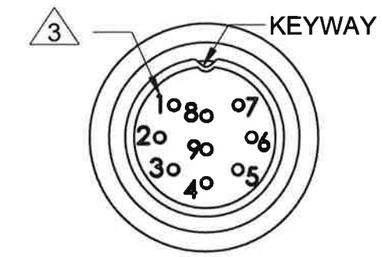
REVISIONS

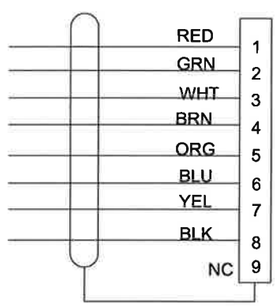
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	12295	ADDED CABLE AND CONNECTOR PERFORMANCE SPECS	JS 10/20/15		





VIEW A-A
SCALE 4: 1

9 PIN PLUG



SCHEMATIC

4 CABLE SPECIFICATIONS	
CONDUCTORS	AWG 26-7/34 TIN PLATED COPPER
TEMPERATURE	392 °F [200 °C]
CABLE DIAMETER	.135 MAX
JACKET	WHITE FEP .010 WALL THICKNESS
SHIELDING	38 AWG SILVER PLATED COPPER BRAIDED 95% COVERAGE 7E-16C 36F/30B
VOLTAGE	600 VOLTS
FILLER	FIBERGLASS

1 CABLE LENGTH TOLERANCE			
ENGLISH		METRIC	
≤1FT	+1/ -0 IN	≤0.3m	+25mm/-0mm
>1 FT - 5 FT	+2/ -0 IN	>0.3m-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%

5 CONNECTOR SPECIFICATIONS	
HOUSING MATERIAL AND FINISH	BRASS, GOLD PER MIL-G-45204 TYPE II, CLASS 1
CONTACTS: TYPE, MATERIAL, AND FINISH	SOCKET, BRASS, GOLD PER MIL-G-45204 TYPE II, CLASS 1
PLUG INSERT	PEEK
BOOT	FLUORO-SILICONE
WEIGHT	4.5 GRAMS MAX

5 SEE TABLE FOR CONNECTOR SPECIFICATIONS.

4 SEE TABLE FOR CABLE SPECIFICATIONS.

3 PIN NUMBERS SHOWN ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON ACTUAL PART.

2. OPERATING RANGE: -67 °F (-55 °C) TO 248 °F (120 °C).

1 MODEL NO. 6964AXX ("XX" EQUALS 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. TOLERANCES ARE:

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

APPROVALS		DATE
DRAWN	RA	12/17/10
DESIGN	RA	12/17/10
CHK	DV	05/10/11
APP	ANS	05/17/11

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION USA

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:
OUTLINE/INSTALLATION, CABLE ASSY, 9-PIN PLUG TO FLYING LEAD

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-6964A	C

SCALE: 1:2 PART NO: SHEET 1 OF 1