

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

1 CABLE LENGTH TOLERANCE

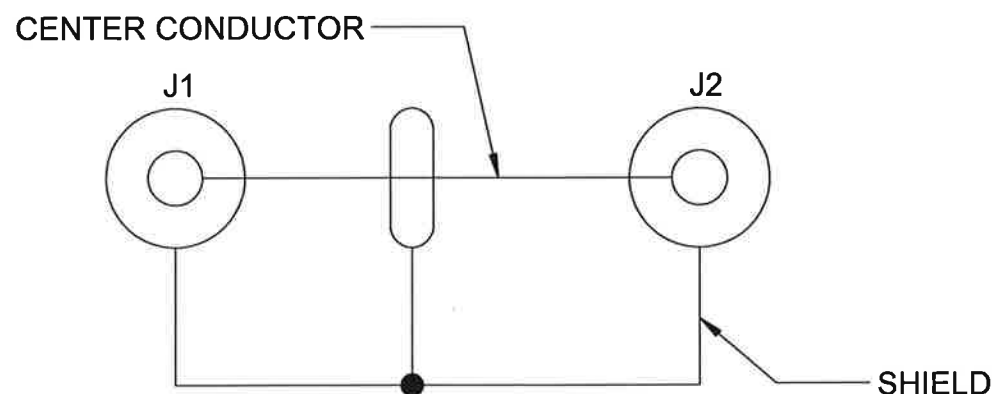
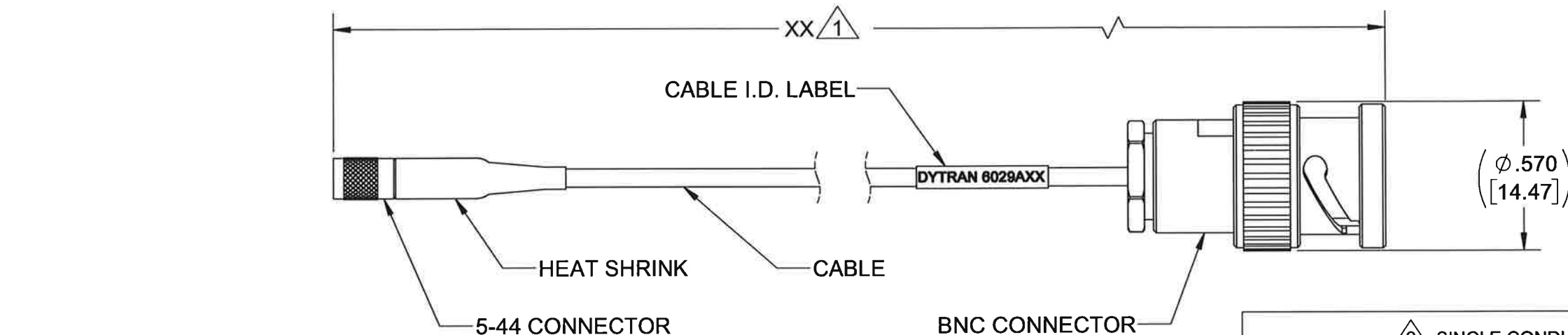
ENGLISH

[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
B	12753	REDRAWN ON SOLIDWORKS	LA 06/20/16	JS	LN
C	12978	ADDED NOTE 3	LA 09/28/16	JS	LN
D	13095	-321°F (-196°C) TO 329°F (165°C). WAS: -67°F (-196°C) TO 329°F (165°C).	RA, 11/08/16	MH	W



SCHEMATIC DIAGRAM

2 SINGLE CONDUCTOR SHIELDED CABLE

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

3. OPERATING TEMPERATURE RANGE: -321°F (-196°C) TO 329°F (165°C).

2 SEE CABLE SPECIFICATION TABLE.

1 MODEL NUMBER: 6029AXX. "XX" DENOTES CABLE LENGTH IN FEET.
SEE TABLE FOR CABLE LENGTH TOLERANCE.

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	NC	07/31/02
CHK	NC	07/31/02
APP	NC	07/31/02

DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA
----------------------	--	-------------------------------



TITLE: OUTLINE/INSTALLATION
DRAWING, CABLE, 5-44 PLUG
TO BNC, MODEL 6029A

SIZE B	CAGE CODE 2W033	DWG NO 127-6029A	REV D
SCALE: 2:1		SHEET 1 OF 1	