

PROPRIETARY AND CONFIDENTIAL

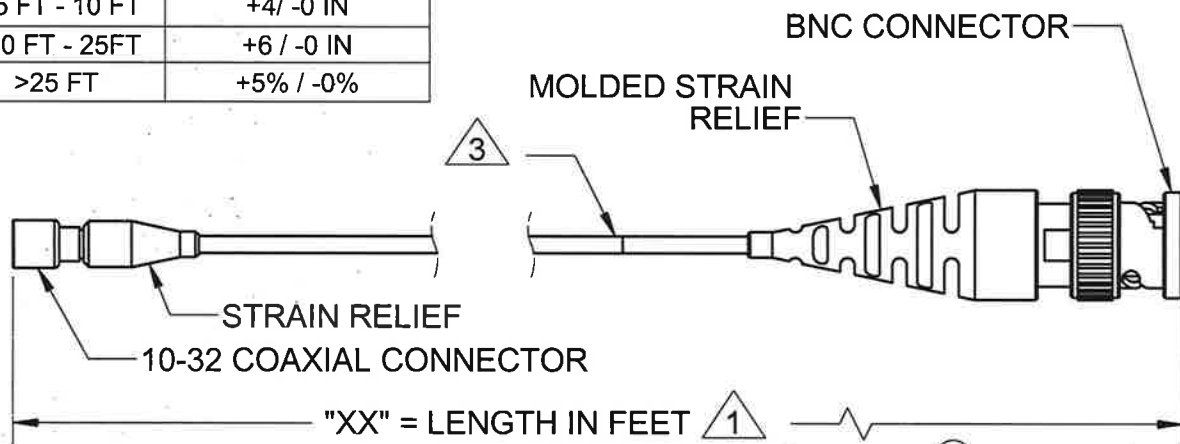
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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	6965	ADDED CABLE SPECIFICATION TABLE	EP 07/27/10	DV	RT
D	9524	ADDED SCHEMATIC AND CABLE TOLERANCE TABLE	AB 01/11/13	fd	

1 CABLE LENGTH TOLERANCE

≤1FT	+1/ -0 IN
>1 FT - 5 FT	+2/ -0 IN
> 5 FT - 10 FT	+4/ -0 IN
>10 FT - 25FT	+6 / -0 IN
>25 FT	+5% / -0%



SCHEMATIC DIAGRAM

3 SINGLE CONDUCTOR SHIELDED LOW NOISE CABLE

AWG	30-7/38 NICKEL PLATED COPPER
TEMP	200 DEG C WIRE RATED
VOLTAGE	600 VOLTS
CONDUCTOR INSULATION	EXTRUDED PTFE, CLEAR, .032 DIA NOM.
CAPACITANCE (SHIELD TO CONDUCTOR)	27 pF/FT
LOW NOISE WRAP #1 & #2	CARBON TAPE
IMPEDANCE	52 OHMS
INDUCTANCE	.80 microH/FT
SHIELD	38 AWG SILVER PLATED COPPER BRAID, 85% MIN COVERAGE, .050 DIA NOM
RESISTANCE	.20 OHM
JACKET	RED PTFE WRAP .005-.010 WALL
DIAMETER	.073 DIA NOM.
MINIUM BEND RADIUS	1 IN

3 SEE CABLE SPECIFICATION TABLE

2. OPERATING RANGE: -67°F (-55°C) TO 230°F (110°C)

1 XX=WILL VARY IN FEET PER CUSTOMER REQUIREMENTS, FOR EXAMPLE: 6019A10 IS A 10FT CABLE

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. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
6019A	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.
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.

APPROVALS		DATE
ORIG	RA	06/11/02
CHK	MPH	06/11/02
APP	CES	06/11/02
APP		



TITLE: OUTLINE/INSTALLATION DRAWING, CABLE, LOW-NOISE 10-32 TO BNC PLUG, MODEL 6019A

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-6019A	D
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1