

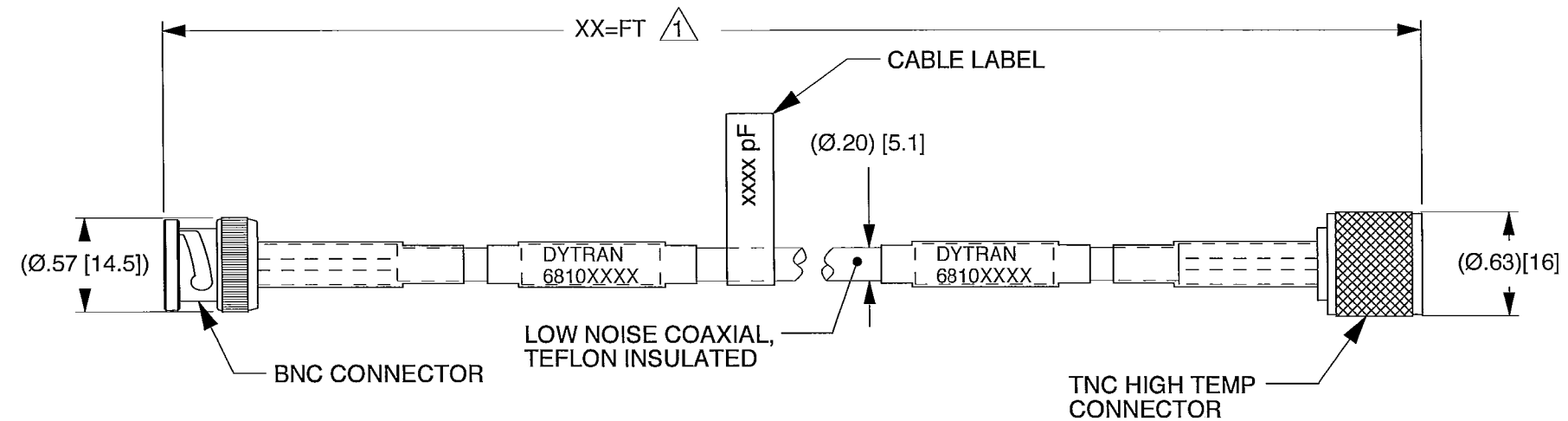
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MODEL NUMBER	CABLE LENGTH-FT
6810AXX	△ XX
6810CPN-01	36
6810CPN-02	33
6810CPN-03	30
6810CPN-04	27
6810CPN-05	23
6810CPN-06	25
6810CPN-07	29
6810CPN-08	33
6810CPN-09	37
6810CPN-10	40
6810CPN-11	43
6810CPN-12	46
6810CPN-13	47
6810CPN-14	44
6810CPN-15	42
6810CPN-16	40
6810CPN-SQ1	36
6810CPN-SQ2	47
6810CPN-SQ3	46
6810CPN-SQ4	33

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

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9413	INITIAL RELEASE	RA, 12/07/12	EM	AS

12/7/12



LOW NOISE COAX,CABLE	
AWG	20AWG
TEMP	260°C [500°F]
IMPEDANCE	50 OHMS
VELOCITY OF PROPAGATION	70%
WIEGHT	36 LBS/MFT
CONDUCTOR	20 AWG 19 X 32 NICKLE PLATED COPPER, Ø.038 [1]
DIELECTRIC	EXTRUDED POLYTETRAFLUROETHYLENE (PTFE), Ø.114 [2.90]
NOISE BARRIER	CONDUCTIVE SKIVE TAPE WITH 50% OVERLAP, Ø.123 [3.12]
SHIELD	NICKLE PLATED COPPER BRAID HAVING 85% COVERAGE, Ø.145 [3.70]
JACKET	TAPE WRAPPED POLYTETRAFLUROETHYLENE (PTFE), Ø.195 [4.95] MIN TO Ø.205 [5.21] MAX

△ LENGTH OF CABLE ASSEMBLY IS DESIGNATED BY XX IN NUMBER (6810XX). XX EQUALS CABLE LENGTH IN FEET. (I.E. 6810A10 IS A 10 FT LENGTH CABLE ASSEMBLY)  
 NOTES: UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

UNLESS OTHERWISE SPECIFIED:  
 INTERPRET DIM & TOL PER ASME Y14.5M-1994.REMOVE BURRS  
 COUNTERSINKS INTERNAL THDS 90° TO MAJOR DIA.CHAM EXT THDS 45° TO MAJOR DIA.TH0 LENGTHS AND DEPTHS ARE FOR THDS PER MIL-S-7742.  
 DIMENSIONS APPLY AFTER FINISHING.  
 ALL MACHINED SURFACES 63  
 TOTAL RUNOUT WITHIN .005 BREAK SHARP EDGES .005 TO .010 MACHINE FILET RADL .005 TO .015 WELDING SYMBOLS PER AWS A2.4 ABBREVIATIONS PER MIL-STD-12

CONTRACT NO		
INCHES	METRIC	ANGLES
.XX ±.03	.X ± 0.8	± 1°
.XXX ±.010	.XX ± 0.25	
FINISH		
DO NOT SCALE DRAWING		

**DYTRAN INSTRUMENTS, INC.** **MASTER ONLY IF IN RED** CHATSWORTH, CA.

SCALE 1X	DESIGN RA	DATE 12/07/12		
DRAWN R.A	DATE 12/07/12	PART NO. 127-6810XXX-XXX	△ 1	
CHECKED EM	DATE 12/7/12	MAT'L -		REV A
APPROVED	DATE	NEXT ASSEMBLY	USED ON 6810A	
TITLE			DWG NO.	
OUTLINE INSTALLATION DRAWING, LOW NOISE, BNC TO TNC, MODEL 6810A			127-6810A	
			SHEET 1 OF 1	