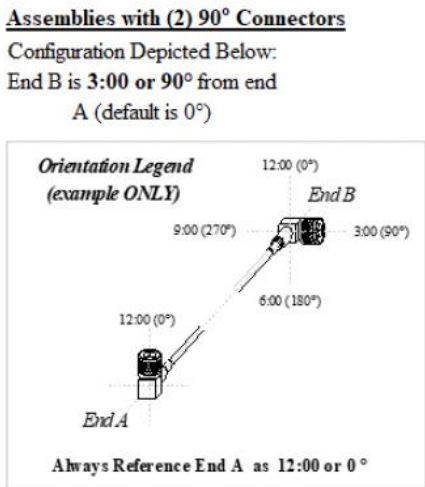


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REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
0	INITIAL RELEASE	7/14/22	P.THAO
1	DRAWING NUMBER CHANGE TO 11012-4884, FORMAT CHANGES, TABLE CHANGES	12/15/22	J.SCHAEFER

NOTES

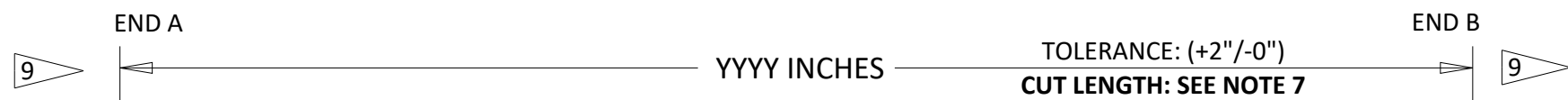
- ALL ASSEMBLY WORK TO BE PERFORMED ACCORDING TO ANG-MFG-WI-00056 UNLESS OTHERWISE NOTED.
- SOLDERING TO BE PERFORMED ACCORDING TO IPC-J-STD-001, AS APPLICABLE.
- WORKMANSHIP TO BE PERFORMED ACCORDING TO IPC-A-620, CLASS 2.
- INCLUDE APPROPRIATE TEST DOCUMENTATION WITH EACH SHIPMENT.
- PIC SHIPSET NUMBER 11012-4885 INCLUDES ALL -AB-WX-YYYY-ZZ CABLE OPTIONS ON THIS DWG. TO ORDER INDIVIDUAL CABLE(S), SPECIFY ASSEMBLY CHARACTERISTICS AND DASH NUMBER(S) FOR EACH CABLE (E.G -11-11-0024-01, -11-12-0024-02, ETC.) SEE SHEET 4 FOR SPECIFIC NUMBERING SCHEME. AB-CABLE AND FREQUENCY(VSWR) REQ. WX-CONNECTOR ONE AND TWO SELECTION. YYYY-HARNESS LENGTH. ZZ-CABLE # IN SHIPSET.
- LABELS ARE PER MIL-DTL-23053/5-1XX-9 (CLASS 1 - WHITE). COVER LABELS WITH CLEAR HEAT SHRINK PER MIL-DTL-23053/5-2XX-C (CLASS 2 - CLEAR). LENGTH AND SIZE OF LABELS & CLEAR SHRINK AS REQUIRED. XXXXX ON LABEL = PIC WIRE & CABLE SERIAL NUMBER, AS APPLICABLE. UNLESS OTHERWISE SPECIFIED:
 FOR ASSEMBLIES 12 INCHES OR SHORTER, APPLY ONE LABEL LOCATED AT END A.
 FOR ASSEMBLIES LONGER THAN 12 INCHES, APPLY ONE LABEL TO EACH END.
 FOR ASSEMBLIES WITH AN UNTERMINATED END, APPLY ONE LABEL TO TERMINATED END ONLY (REGARDLESS OF LENGTH).
- TOLERANCE IS +2"/-0" FOR ALL CABLE ASSEMBLIES
 CUT LENGTH FOR STRAIGHT/90° TO UNTERMINATED ASSEMBLIES IS YYYY
 CUT LENGTH FOR STRAIGHT TO STRAIGHT ASSEMBLIES IS YYYY-0.5"
 CUT LENGTH FOR STRAIGHT TO 90° ASSEMBLIES IS YYYY-1"
 CUT LENGTH FOR 90° TO 90° ASSEMBLIES IS YYYY-1"
- TEST REQUIREMENTS:
 TEST FREQUENCY RANGE: FROM FREQUENCY RANGE SPECIFIED IN SECTION B OF TABLE 1 ON SHEET 4.
 VSWR: 2.5 MAX FROM 0MHz TO 400MHz AND 2.0 MAX FROM 400MHz TO 970MHz.
 INSERTION LOSS: 3 dB MAX ACROSS FREQUENCY RANGE.
 TABLE 3 ON SHEET 4 IS INCLUDED FOR REFERENCE ONLY.
 FOR ALL ASSEMBLIES TERMINATED ON ONE END ONLY: TEST FOR CONTINUITY AND SHORTS.
- CABLE MEASUREMENT (SEE SHEET 3):
 FOR STRAIGHT TO STRAIGHT ASSEMBLIES, MEASURE FROM END OF CONNECTOR TO END OF CONNECTOR.
 FOR STRAIGHT TO 90° ASSEMBLIES, MEASURE FROM END OF STRAIGHT CONNECTOR TO CENTER PIN OF 90° CONNECTOR.
 FOR 90° TO 90° ASSEMBLIES, MEASURE FROM CENTER PIN TO CENTER PIN.
 FOR STRIAIGHT UNTERMINATED ASSEMBLIES, MEASURE FROM END OF STRAIGHT CONNECTOR TO END OF CABLE.
 FOR 90° UNTERMINATED ASSEMBLIES, MEASURE FROM CENTER PIN OF 90° CONNECTOR TO END OF CABLE.
- FOR ALL 90° TO 90° ASSEMBLIES, ASSEMBLE END A CONNECTOR AT A 12 O'CLOCK AND END B CONNECTOR AT 3 O'CLOCK ORIENTATION.



A/R	A/R	-	RNF-100-1/2-CL-SP	TE SHRINK TUBE, CLEAR	25
A/R	-	-	TTMS-MP-9.5-9	TE LABEL SHRINK TUBE, WHITE	24
-	-	A/R	RNF-100-3/4-CL-SP	TE SHRINK TUBE, CLEAR	23
-	A/R	A/R	TTMS-MP-12.7-9	TE LABEL SHRINK TUBE, WHITE	22
A/R	-	-	190613	BNC 90° PLUG	21
-	-	A/R	190413	BNC 90° PLUG	20
-	A/R	-	150413	BNC 90° PLUG	19
A/R	-	-	190611	N TYPE 90° PLUG	18
-	-	A/R	190411	N TYPE 90° PLUG	17
-	A/R	-	150411	N TYPE 90° PLUG	16
A/R	-	-	190609	TNC 90° PLUG	15
-	-	A/R	190409	TNC 90° PLUG	14
-	A/R	-	150409	TNC 90° PLUG	13
A/R	-	-	190612	BNC STRAIGHT PLUG	12
-	-	A/R	190412	BNC STRAIGHT PLUG	11
-	A/R	-	150412	BNC STRAIGHT PLUG	10
A/R	-	-	190610	N TYPE STRAIGHT PLUG	9
-	-	A/R	190410	N TYPE STRAIGHT PLUG	8
-	A/R	-	150410	N TYPE STRAIGHT PLUG	7
A/R	-	-	190608	TNC STRAIGHT PLUG	6
-	-	A/R	190408	TNC STRAIGHT PLUG	5
-	A/R	-	150408	TNC STRAIGHT PLUG	4
A/R	-	-	S55122	50 OHM LOW LOSS COAXIAL CABLE	3
-	A/R	-	UH22089	50 OHM ULTRA LIGHT WEIGHT, LOW LOSS COAXIAL CABLE	2
-	-	A/R	UH25107	50 OHM ULTRA LIGHT WEIGHT, LOW LOSS COAXIAL CABLE	1
QTY			PART NO	DESCRIPTION	ITEM NO
-ZZ	-ZZ	-ZZ			

PARTS LIST			
TOLERANCES: .X.....±0.25 .XX.....±0.05 .XXX.....±0.005 ANGLES.....±0.5°		UNLESS OTHERWISE SPECIFIED, DRAWING UNITS ARE IN INCHES	
REVISION SIGNATURES		TITLE	
ISSUED F.BISHARA	DATE 12/15/22	A Division of The Angelus Corporation WWW.PICWIRE.COM CANYON AEROCONECT TACTICAL RADIOS RT7000	
CHECKED J.SUGAR	DATE 12/15/22		
APPROVED J.SCHAEFER	DATE 12/15/22		
UNLESS OTHERWISE SPECIFIED, DRAWING IS IN THIRD ANGLE PROJECTION (US STANDARD)			PROPRIETARY NOTICE: THIS DOCUMENT AND THE INFORMATION CONTAINED WITHIN ARE PROPRIETARY DATA OF PIC WIRE & CABLE. NEITHER THIS DOCUMENT NOR THE INFORMATION CONTAINED WITHIN SHALL BE USED, REPRODUCED, OR DISCLOSED WITHOUT WRITTEN AUTHORIZATION OF PIC WIRE & CABLE.
		DWG NO 11012-4885	REV 1
		INTERPRET DRAWING: PER ASME Y14.100-2004 DIM AND TOL PER ASME Y14.5-2009	CAGE SHEET OBCW9 1 OF 4

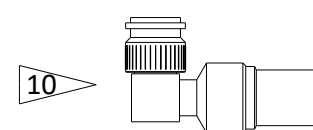
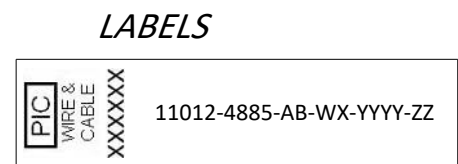
PIC P/N 11012-4885-AB-WX-YYYY-ZZ



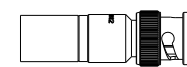
TNC STR PLUG
(SEE SHEET 4, TABLE 3)

CABLE P/N
(SEE SHEET 4, TABLE 3)

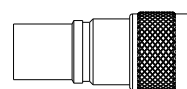
TNC STR PLUG
(SEE SHEET 4, TABLE 3)



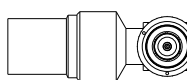
TNC 90° PLUG
(SEE SHEET 4, TABLE 3)



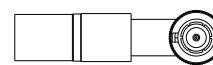
BNC STR PLUG
(SEE SHEET 4, TABLE 3)



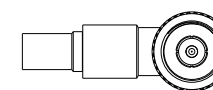
N STR PLUG
(SEE SHEET 4, TABLE 3)



TNC 90° PLUG
(SEE SHEET 4, TABLE 3)



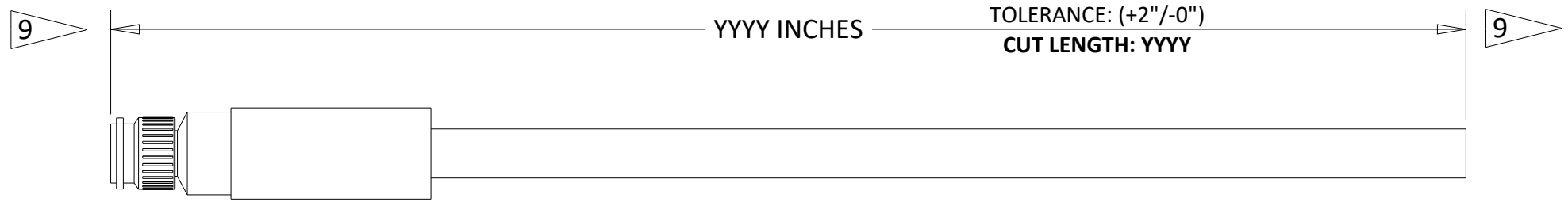
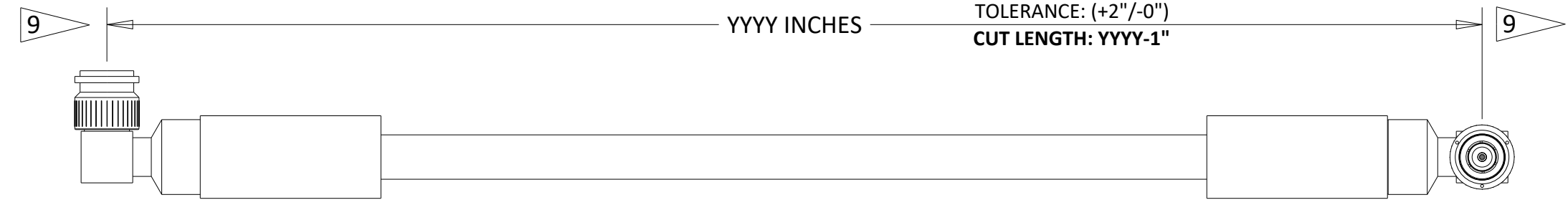
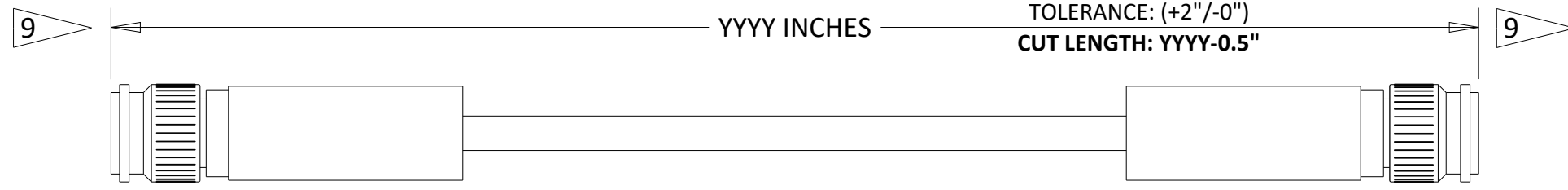
BNC 90° PLUG
(SEE SHEET 4, TABLE 3)



N 90° PLUG
(SEE SHEET 4, TABLE 3)

DWG NO	11012-4885	REV	1
INTERPRET DRAWING: PER ASME Y14.100-2004 DIM AND TOL PER ASME Y14.5-2009	CAGE 0BCW9	SHEET	2 OF 4

CUT LENGTH-REFERENCE ONLY



DWG NO	REV
11012-4885	1
INTERPRET DRAWING: PER ASME Y14.100-2004 DIM AND TOL PER ASME Y14.5-2009	CAGE OBCW9
	SHEET 3 OF 4

PART NUMBERING = 11012-4885-AB-WX-YYYY-ZZ

TABLE 1

SYSTEM	AB = CABLE AND FREQUENCY BAND (VSWR)				WX = CONNECTOR SELECTION				YYYY = LENGTH		ZZ = CABLE #	
	A	CABLE SELCTION	B	FREQ MHz (VSWR) REQ	W	END A	X	END B	YYYY	LENGTH	ZZ	# IN SYSTEM
RT7000	1	UH25107	1	32-960 (2.5:1/2.0:1)	1	TNC STR	1	TNC STR	0001	1"	01	1
	2	UH22089	2	137-174 (2.5:1)	2	TNC 90	2	BNC STR	02	2
	3	S55122	3	380-520 (2.5:1/2.0:1)			3	N STR	9999	9999"	03	3
			4	764-970 (2.0:1)			4	TNC 90				
							5	BNC 90				
							6	N 90				
					7	UNTERMINATED						

TABLE 2

CABLE SELECTION FOR ASSEMBLY (FLEXCOMM 7000 SERIES)

(MAX LENGTH SHOWN BELOW IN INCHES, MAX INSERTION LOSS IS 3 dB, MAX VSWR IS SHOWN BELOW)

FOR MULTIBAND CABLES THAT COVER FREQUENCIES ABOVE AND BELOW 400 MHz TESTING IS TO BE CONDUCTED AT BOTH 2:1 AND 2.5:1 VSWR

CABLE	AWG	OD	0 < 399 MHz MAX 2:1 VSWR	0 < 399 MHz MAX 2.5:1 VSWR	400 < 970 MHz MAX 2:1 VSWR	400 < 970 MHz MAX 2.5:1 VSWR
UH25107	8	0.445	1504	1266	895	748
UH22089	10	0.435	1176	990	717	599
S55122	12	0.310	802	675	489	409

TABLE 3

CONNECTOR PART NUMBERS CROSS REFERENCE

CABLE	TNC STRAIGHT	N STRAIGHT	BNC STRAIGHT	TNC 90	N 90	BNC 90
UH25107	190408	190410	190412	190409	190411	190413
UH22089	150408	150410	150412	150409	150411	150413
S55122	190608	190610	190612	190609	190611	190613