REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
0	INITIAL RELEASE	1/24/25	S. SKIBINSKI
1	UPDATED NOTE 8 & TABLE TO ACCOMODATE UNTERMINATED ASSEMBLIES	2/19/25	S. SKIBINSKI

NOTES

1. ALL ASSEMBLY WORK TO BE PERFORMED PER ANG-MFG-WI-00258 UNLESS OTHERWISE NOTED.

2. SOLDERING TO BE PERFORMED PER IPC-J-STD-001, AS APPLICABLE.

3. WORKMANSHIP TO BE PERFORMED PER IPC-A-620, CLASS 2.

4. PIC SHIPSET NUMBER 11012-5005-W-XAVBC-YYYY-Z INCLUDES ALL -W-XAVBC-YYYY-Z CABLES ON THIS DWG.
   TO ORDER INDIVIDUAL CABLE(S), SPECIFY ASSEMBLY DASH NUMBER(S):

11012-5005-W-XAVBC-YYYY-Z

COAX CABLE
END A CONNECTOR
END A COLOR BAND
END B CONNECTOR
END B COLOR BAND
*CLOCKING ANGLE
ASSEMBLY LENGTH IN INCHES
**CUT = YYYY - CONNECTOR ADDED LENGTHS + (TOL/2)
FOR YYYY <18", TOL/2 = 0.50"
FOR YYYY 18-48", TOL/2 =1.00"
FOR YYYY >48", TOL/2 = 1.50"
FREQUENCY TEST RANGE

*CLOCKING ANGLE REFERS TO END B WHEN TWO 90° CONNECTORS ARE SELECTED.
**CUT LENGTH MAY BE ROUNDED TO NEAREST 1/4" TO SIMPLIFY CABLE CUTTING OPERATION.
REFER TO TABLES ON SHEET 2 FOR PART NUMBERING, AND ASSEMBLY CONFIGURATION.

5. LABELS ARE PER SAE-AMS-DTL-23053/5-1XX (CLASS 1).
   COVER LABELS WITH CLEAR HEAT SHRINK PER SAE-AMS-DTL-23053/5-2XX-C (CLASS 2 - CLEAR).
   LENGTH AND SIZE OF LABELS & CLEAR SHRINK AS REQUIRED.
   XXXXXX ON LABEL = PIC WIRE & CABLE SERIAL NUMBER, AS APPLICABLE.

6. UNLESS OTHERWISE SPECIFIED:
   FOR ASSEMBLIES 12 INCHES OR SHORTER, APPLY ONE LABEL LOCATED AT END A.
   FOR ASSEMBLIES 12 TO 48 INCHES, APPLY ONE LABEL TO EACH END.
   FOR ASSEMBLIES LONGER THAN 48 INCHES, APPLY ONE LABEL TO EACH END AND ONE AT THE CENTER.
   FOR ASSEMBLIES WITH AN UNTERMINATED END, DO NOT APPLY LABEL TO UNTERMINATED END. APPLY ONE LABEL
      TO TERMINATED END, AND IF LONGER THAN 48 INCHES, APPLY TO CENTER.

7. COLOR BAND (0.5" LONG) TO BE PLACED ADJACENT TO END LABEL ON THE CONNECTOR SIDE.

8. INCLUDE APPROPRIATE TEST DOCUMENTATION WITH EACH SHIPMENT.
   TEST REQUIREMENTS:
     TEST FREQUENCY RANGE: SEE SHEET 2.
     VSWR: 1.5:1 MAX VSWR ACROSS FREQUENCY RANGE.
     INSERTION LOSS: REPORT MAX ACROSS TEST FREQUENCY RANGE.
     FOR UNTERMINATED ASSEMBLIES, TEST FOR SHORTS AND CONTINUITY.

PARTS LIST

ITEM NO	PART NO	DESCRIPTION	QTY
7	RNF-100-XXX-CL	TE SHRINK TUBE, CLEAR	A/R
6	TTMS-XX-XX.X-9	TE LABEL SHRINK TUBE, WHITE	A/R
5	B2-X/X-XXX	HEATSHRINK COLOR BAND. END B (B)	A/R
4	B2-X/X-XXX	HEATSHRINK COLOR BAND, END A (A)	A/R
3	SEE TABLE 2.1	CONNECTOR, END B (V)	A/R
2	SEE TABLE 2.1	CONNECTOR, END A (X)	A/R
1	SEE TABLE 1	CABLE (W)	A/R

-W-XAVBC-YYYY-Z

UNLESS OTHERWISE SPECIFIED,
DRAWING UNITS ARE IN INCHES

GENERAL TOLERANCES	ASSEMBLY LENGTH TOLERANCES
X.X ±1.0	UNDER 18 +1/-0
X.XX ±0.50	18 TO 48 +2/-0
X.XXX ±0.250	OVER 48 +3/-0
ANGLE ±5.0°	

SIGNATURES ON FILE

ISSUED	DATE
R. ESTERHUIZEN	1/24/25
CHECKED	DATE
F. BISHARA	1/24/25
APPROVED	DATE
S. SKIBINSKI	1/24/25

UNLESS OTHERWISE SPECIFIED, DRAWING IS IN THIRD ANGLE PROJECTION (US STANDARD)

PIC WIRE & CABLE
W220 N1051 Springdale Rd. Waukesha, WI 53186
Phone: 800.742.3191   www.PICwire.com

TITLE
PIC WIRE & CABLE
PRE-ENGINEERED 50 OHM ULTRALITE SERIES
COAXIAL CABLE ASSEMBLIES

DWG NO: 11012-5005
REV: 1

INTERPRET DRAWING:
PER ASME Y14.100-2004
DIM AND TOL PER ASME Y14.5-2009

CAGE: 0BCW9
SHEET 1 OF 2

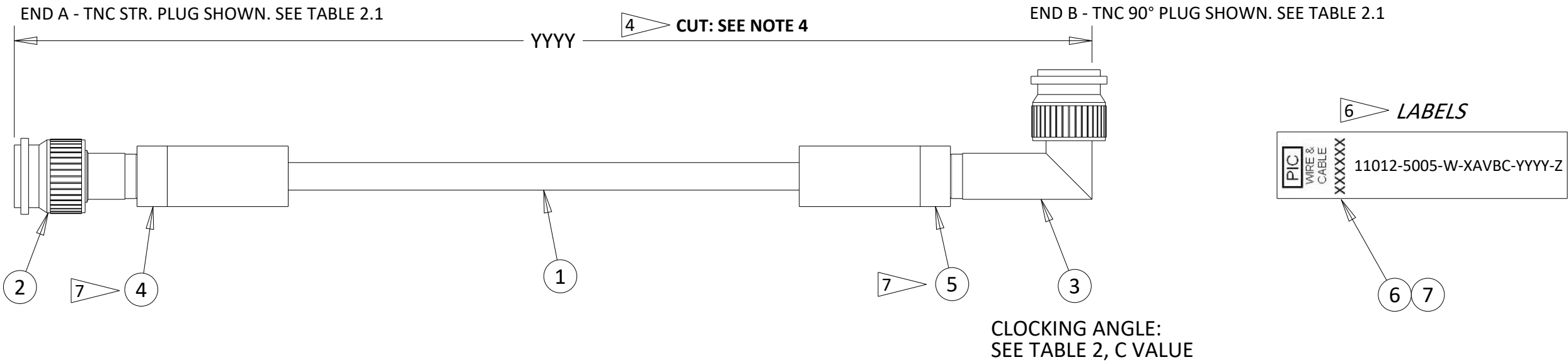# PIC P/N 11012-5005-W-XAVBC-YYYY-Z

END A - TNC STR. PLUG SHOWN. SEE TABLE 2.1

▷4 **CUT: SEE NOTE 4**

YYYY

END B - TNC 90° PLUG SHOWN. SEE TABLE 2.1

▷6 *LABELS*

PIC WIRE & CABLE XXXXXX 11012-5005-W-XAVBC-YYYY-Z

(2) ▷7 (4) ▷7 (5) (3) (1)

(6)(7)

CLOCKING ANGLE:
SEE TABLE 2, C VALUE

PART NUMBERING = 11012-5005-W-XAVBC-YYYY-Z

XAVBC = CONNECTOR CONFIGURATIONS, HEAT SHRINK COLOR BAND OPTIONS & CONNECTOR CLOCKING (TABLE 2) (SEE TABLE 2.1 BELOW FOR ACTUAL CONNECTOR PART NUMBERS)

(TABLE 1)				CONNECTOR END A				CONNECTOR END B						YYYY = LENGTH IN INCHES	
W = COAX CABLE	COAX CABLE														
W VALUE	PART NUMBER	MIN.	MAX.	X VALUE	CONNECTOR DESCRIPTION	A VALUE	HEAT SHRINK COLOR BAND	V VALUE	CONNECTOR DESCRIPTION	B VALUE	HEAT SHRINK COLOR BAND	C VALUE	CLOCKING DEGREE	YYYY VALUE	LENGTH (in.)
0	UH44193	8"	3514"	0	ARINC 600 SIZE 1 SOCKET	0	BLACK	0	ARINC 600 SIZE 1 SOCKET	0	BLACK	0	N/A (FOR ASSY. W/O 2×90° CONN.)	0008	8"
1	UH67163	8"	5968"	1	ARINC 600 MOD. SIZE 1 SOCKET	1	BROWN	1	ARINC 600 MOD. SIZE 1 SOCKET	1	BROWN	1	0° or 12:00	....	....
2	UH22089	8"	9999"	2	TNC STR. PLUG	2	RED	2	TNC STR. PLUG	2	RED	2	90° or 3:00	9999	9999"
3	UH25107	8"	9999"	3	TNC 90 PLUG	3	ORANGE	3	TNC 90 PLUG	3	ORANGE	3	180° or 6:00		
				4	N STR. PLUG	4	YELLOW	4	N STR. PLUG	4	YELLOW	4	270° or 9:00		

Z = FREQUENCY TEST RANGE	
Z VALUE	FREQUENCY RANGE
0	N/A (FOR UNTERM. ASSY.)
1	10 MHz to 599 MHz
2	600 MHz to 1999 MHz
3	2000 MHz to 2999 MHz
4	3000 MHz to 3999 MHz
5	4000 MHz to 5000 MHz

(continuation of connector end table)

X VALUE	CONNECTOR DESCRIPTION	A VALUE	HEAT SHRINK COLOR BAND	V VALUE	CONNECTOR DESCRIPTION	B VALUE	HEAT SHRINK COLOR BAND
5	N 90 PLUG	5	GREEN	5	N 90 PLUG	5	GREEN
6	BNC STR. PLUG	6	BLUE	6	BNC STR. PLUG	6	BLUE
7	BNC 90 PLUG	7	VIOLET	7	BNC 90 PLUG	7	VIOLET
8	SMA STR. PLUG	8	GRAY	8	SMA STR. PLUG	8	GRAY
9	SMA 90 PLUG	9	WHITE	9	SMA 90 PLUG	9	WHITE
U	UNTERMINATED	N	NO COLOR BAND	U	UNTERMINATED	N	NO COLOR BAND

CONNECTOR DESCRIPTIONS & PART NUMBERS (TABLE 2.1)

COAX CABLE PART NUMBER	ARINC 600 SIZE 1 SOCKET (X & V VALUE "0")	ARINC 600 MOD. SIZE 1 SOCKET (X & V VALUE "1")	TNC STR. PLUG (X & V VALUE "2")	TNC 90 PLUG (X & V VALUE "3")	N STR. PLUG (X & V VALUE "4")	N 90 PLUG (X & V VALUE "5")	BNC STR. PLUG (X & V VALUE "6")	BNC 90 PLUG (X & V VALUE "7")	SMA STR. PLUG (X & V VALUE "8")	SMA 90 PLUG (X & V VALUE "9")
UH44193	150101	150102	150108	150109	150110	150111	150112	150113	150114	150115
UH67163	150501	150502	150508	150509	150510	150511	150512	150513	150514	150515
UH22089	150401	150402	150408	150409	150410	150411	150412	150413	150414	150415
UH25107	190401	190402	190408	190409	190410	190411	190412	190413	NA	NA

Orientation Legend (example ONLY)

12:00 (0°) End B
9:00 (270°) 3:00 (90°)
12:00 (0°) 6:00 (180°)
End A

DWG NO		REV
11012-5005		1

INTERPRET DRAWING:
PER ASME Y14.100-2004
DIM AND TOL PER ASME Y14.5-2009

CAGE 0BCW9   SHEET 2 OF 2