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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 11012-5003-W-XAVBC-YYYY-Z INCLUDES ALL -W-XAVBC-YYYY-Z CABLES ON THIS DWG. TO ORDER INDIVIDUAL CABLE(S), SPECIFY ASSEMBLY DASH NUMBER(S):

11012-5003-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.

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

ITEM NO

PART NO

DESCRIPTION

QTY

PARTS LIST

-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

R. ESTERHUIZEN

CHECKED

F. BISHARA

APPROVED

S. SKIBINSKI

DATE

1/13/25

DATE

1/13/25

DATE

1/13/25

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 S SERIES  
COAXIAL CABLE ASSEMBLIES

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DWG NO

11012-5003

REV

1

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

CAGE

OBCW9

SHEET

1 OF 2

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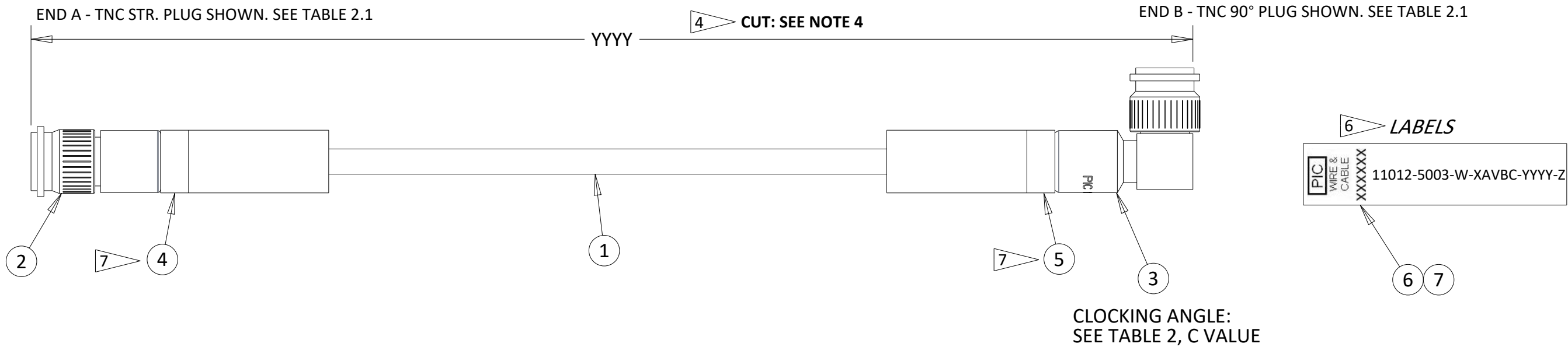
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PIC P/N 11012-5003-W-XAVBC-YYYY-Z



PART NUMBERING = 11012-5003-W-XAVBC-YYYY-Z

PART NUMBERING = 11012-5003-W-XAVBC-YYYY-Z															
(TABLE 1)				XAVBC = CONNECTOR CONFIGURATIONS, HEAT SHRINK COLOR BAND OPTIONS & CONNECTOR CLOCKING(TABLE2) (SEE TABLE 2.1 BELOW FOR ACTUAL CONNECTOR PART NUMBERS)										YYYY = LENGTH IN INCHES	
W = COAX CABLE	COAX CABLE			CONNECTOR END A				CONNECTOR END B							
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	S86208	8"	2695"	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	S44191	8"	3020"	1	ARINC 600 MOD. SIZE 1 SOCKET	1	BROWN	1	ARINC 600 MOD. SIZE 1 SOCKET	1	BROWN	1	0° OR 12:00	....	....
2	S67163	8"	5359"	2	TNC STR. PLUG	2	RED	2	TNC STR. PLUG	2	RED	2	90° OR 3:00	9999	9999"
3	S33141	8"	5547"	3	TNC 90° PLUG	3	ORANGE	3	TNC 90° PLUG	3	ORANGE	3	180° OR 6:00	Z = FREQUENCY TEST RANGE	
4	S55122	8"	7186"	4	N STR. PLUG	4	YELLOW	4	N STR. PLUG	4	YELLOW	4	270° OR 9:00		
5	S22089	8"	9999"	5	N 90° PLUG	5	GREEN	5	N 90° PLUG	5	GREEN			Z VALUE	FREQUENCY RANGE
				6	BNC STR. PLUG	6	BLUE	6	BNC STR. PLUG	6	BLUE			0	N/A (FOR UNTERM. ASSY.)
				7	BNC 90° PLUG	7	VIOLET	7	BNC 90° PLUG	7	VIOLET			1	10 MHz TO 599 MHz
				8	SMA STR. PLUG	8	GRAY	8	SMA STR. PLUG	8	GRAY			2	600 MHz TO 1999 MHz
				9	SMA 90° PLUG	9	WHITE	9	SMA 90° PLUG	9	WHITE			3	2000 MHz TO 2999 MHz
				U	UNTERMINATED	N	NO COLOR BAND	U	UNTERMINATED	N	NO COLOR BAND			4	3000 MHz TO 3999 MHz
											5			4000 MHz TO 5000 MHz	

COAX CABLE	CONNECTOR DESCRIPTIONS & PART NUMBERS (TABLE 2.1)									
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")
	P/N	P/N	P/N	P/N	P/N	P/N	P/N	P/N	P/N	P/N
S86208	190801	190802	190808	190809	190810	190811	190812	190813	190814	190815
S44191	190101	190102	190108	190109	190110	190111	190112	190113	110198	110207
S67163	190501	190502	190508	190509	190510	190511	190512	190513	190514	190515
S33141	190301	190302	190308	190309	190310	190311	190312	190313	190314	190315
S55122	190601	190602	190608	190609	190610	190611	190612	190613	190614	190615
S22089	190401	190402	190408	190409	190410	190411	190412	190413	N/A	N/A

