

\*\*\*\* EXPORT CONTROLLED DOCUMENT - EAR \*\*\*\*  
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CAD GENERATED DOCUMENT  
 ANY CHANGES TO THIS DOCUMENT MUST BE SUBMITTED TO THE DESIGN/DRAFTING DEPARTMENT FOR PROPER UPDATE

**NOTES: UNLESS OTHERWISE SPECIFIED**

- LABEL CABLES AND INSTALL BLACK ADHESIVE SHRINK TUBING ON CONNECTORS PER ECS WORK INSTRUCTION W1007. INFORMATION IN PARENTHESIS IS NOT PART OF LABEL.
- COAXIAL CABLE ASSEMBLY LENGTH TOLERANCE, UNLESS OTHERWISE NOTED;

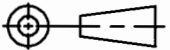

LENGTH	≤ 12	>12 ≤ 120	> 120
TOL	+0.5/-0.0	+3.5/-0.0	+5.5/-0.0

- TEST TO BE PERFORMED PER M1305 AND THE FOLLOWING:  
 TEST CABLES WITH MARKER SET AT 900 MHz.  
 ATTENUATION: < 3 dB FOR EACH CABLE.  
 VSWR: ≤ 1.35:1 FOR EACH CABLE.
- INCLUDE APPROPRIATE TEST DOCUMENTATION WITH EACH SET.
- IF USING 311901, 421601, 311601 OR 311501 A 1 INCH PIECE OF RED HEAT SHRINK P/N ST22138-RED OR ALT P/N STS22138-RED OR M23053/5-107-2 SHALL BE USED ON -02, -04.  
 A 1 INCH PIECE OF BLUE HEAT SHRINK P/N ST22138-BLU OR ALT P/N STS22138-BLU OR M23053/5-107-6 SHALL BE USED ON -01, -03.
- IF USING 421201 OR 311201 A 1 INCH PIECE OF RED HEAT SHRINK P/N ST22112-RED OR ALT P/N STS22112-RED OR M23053/5-108-2 SHALL BE USED ON -02, -04.  
 A 1 INCH PIECE OF BLUE HEAT SHRINK P/N ST22112-BLU OR ALT P/N STS22112-BLU OR M23053/5-108-6 SHALL BE USED ON -01, -03

REVISIONS						
EDN	SHEET	ZONE	REV.	BREF DESCRIPTION (SEE EDN FOR COMPLETE CHANGE DETAILS)	DATE	APPROVED
72355			NC	NEW RELEASE	8/21/18	R LAY
72600	1	P/L	A	ITEM 1 WAS J2, ITEM 2 WAS J1, ITEM 3 WAS J2, ITEM 4 WAS J1	8/21/18	SAS
		NTS		NOTE 5 -01,-03 SWAPPED WITH -02,-04		
				NOTE 6 -01,-03 SWAPPED WITH -02,-04		
				ADDED L5i TO TITLE		
	2	TB		SWAPPED (RED)J2 AND (BLUE)J1		
		B1		SWAPPED (RED)J2 AND (BLUE)J1		
		A/B2		ADDED XXX-XX TO THE PART NUMBER		
		B/C2		ADDED XXX-XX TO THE PART NUMBER		
		A/B4		SWAPPED AFT V2(BLUE) AND AFT H2(RED)		
		B/C4		SWAPPED FWD V1(BLUE) AND FWD H1(RED)		
		C4		ADDED L5i		
	3	D2		J2 NOW J1		
	4	C1/2		V2/J1 NOW H2/J2 AND BLUE NOW RED		
		C2		H2/J2 NOW V2/J1 AND RED NOW BLUE		
		C3		V1/J1 NOW H1/J2 AND BLUE NOW RED		
		C3/4		H1/J2 NOW V1/J1 AND RED NOW BLUE		

1	500-104913-XXX-XX-04	AFT ATG COAX CABLE J2	4
1	500-104913-XXX-XX-03	AFT ATG COAX CABLE J1	3
1	500-104913-XXX-XX-02	FWD ATG COAX CABLE J2	2
1	500-104913-XXX-XX-01	FWD ATG COAX CABLE J1	1
QTY REQ'D	COMPONENTS PART NO.	NOMENCLATURE	
XXXXX/XXXXX	OR IDENTIFYING NO.	OR DESCRIPTION	
KIT PART NO.			

PART LIST

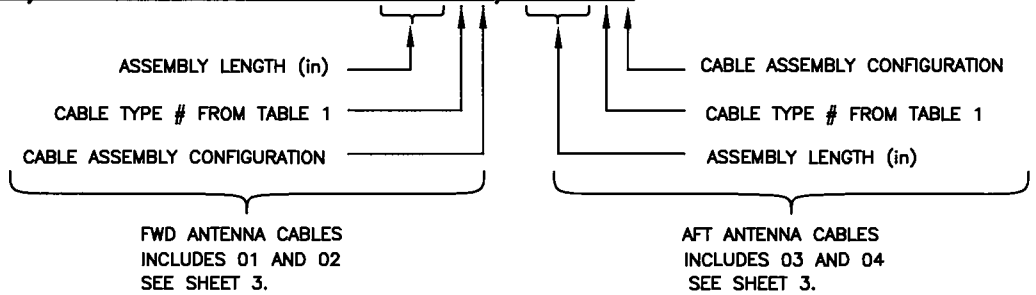
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES: X.XX ± .03 X.XXX ± .01	ALL LENGTHS IN INCHES DRAWN T. RAASCH 8/9/18 CHECKED R. LAY 8/21/18 DESIGNED R. LAY 8/9/18 PROJECT R. LAY 8/21/18 MANUFACTURING S. SKIBINSKI 8/23/18 ENGINEERING		 Carlisle Interconnect Technologies Franklin, WI 53132 414-421-5300	TITLE: <b>AVANCE L3/L5i ATG COAX ASSEMBLY KIT</b>	SIZE: C CASE CODE: 66197 LEVEL: 1 DWG NO.: 500-104913	SCALE: EFFECTIVITY: NONE	SHEET: 1 OF 4
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# OMNIDIRECTIONAL ANTENNA INSTALLATION

## EXAMPLE KIT PART NUMBER

### P/N 500-104913-3202A/2401A



AVANCE L3/L5i

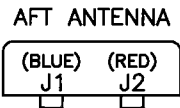
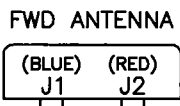


500-104913-XXX-XX-01

500-104913-XXX-XX-02

500-104913-XXX-XX-03

500-104913-XXX-XX-04

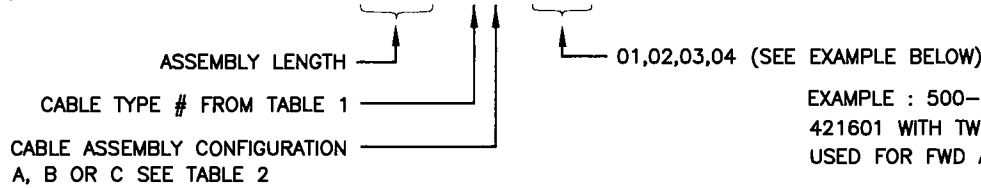


<b>CARLISLE</b>		Carlisle Interconnect Technologies Franklin, VA 53132 414-421-5300	
SIZE	CAGE CODE	LEVEL	DRG. NO.
C	66197		500-104913
SCALE:	EFFECTIVITY:	NONE	SHEET: 2 OF 4

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### CABLE ASSEMBLY PART NUMBER

P/N 500-104913-XXX-XX-XX (ALL LENGTHS IN INCHES)



EXAMPLE : 500-104913-320-2A-01 = 320" ASSEMBLY OF 421601 WITH TWO CTS922 CONNECTORS ON EACH END USED FOR FWD ATG ANTENNA J1.

### CABLE ASSEMBLY CONFIGURATIONS

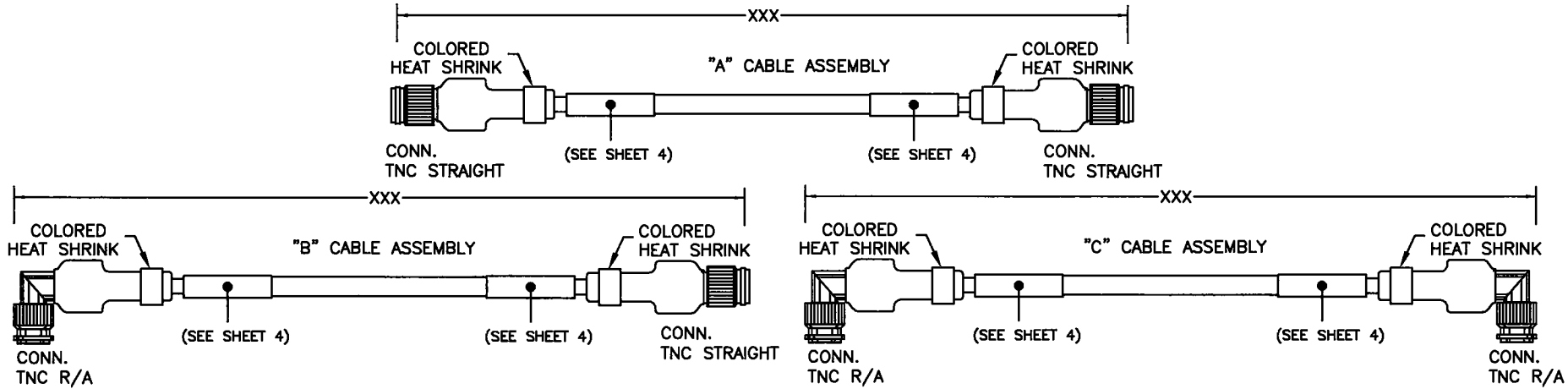


TABLE 2 (COAX CONNECTOR & LABELS)

TABLE 1 (COAX CABLE TYPE)

6	6	311201	600 INCHES
	5	421201	600 INCHES
	#	CABLE TYPE	MAXIMUM LENGTH

2	2	2	TMS-SCE-1/2-2.0-9	1/2 INCH HEAT SHRINK (LABEL)
2	1	-	CTR122	RIGHT ANGLE TNC PLUG FOR 421201, 311201
-	1	2	CTS122	STRAIGHT TNC PLUG FOR 421201, 311201
C	B	A	PART NUMBER	DESCRIPTION
CONFIGURATION				

5	4	311501	500 INCHES
	3	311601	420 INCHES
	2	421601	420 INCHES
#	CABLE TYPE	MAXIMUM LENGTH	

2	2	2	TMS-SCE-3/8-2.0-9	3/8 INCH HEAT SHRINK (LABEL)
2	1	-	CTR922	RIGHT ANGLE TNC PLUG FOR 421601, 311601, 311501
-	1	2	CTS922	STRAIGHT TNC PLUG FOR 421601, 311601, 311501
C	B	A	PART NUMBER	DESCRIPTION
CONFIGURATION				

5	1	311901	300 INCHES
	#	CABLE TYPE	MAXIMUM LENGTH

2	2	2	TMS-SCE-3/8-2.0-9	3/8 INCH HEAT SHRINK (LABEL)
2	1	-	CTR722	RIGHT ANGLE TNC PLUG FOR 311901
-	1	2	CTS722	STRAIGHT TNC PLUG FOR 311901
C	B	A	PART NUMBER	DESCRIPTION
CONFIGURATION				

**CARLISLE** Carlsle Interconnected Technologies  
Franklin, WI 53132  
414-421-5300

SIZE	CAGE CODE	LEVEL	DWG. NO.
C	66197		500-104913
SCALE	EFFECTIVITY	NONE	SHEET 3 OF 4

4

3

2

1

DWG. NO.	SHEET	REV.
500-104913	4	A

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D

D

C

C

B

B

A

A

CABLE LABELING

500-104913-XXX-XX-01  
 SER# EXXXXX  
 ATG FWD-V1/J1 ANT  
 (BLUE)

500-104913-XXX-XX-02  
 SER# EXXXXX  
 ATG FWD-H1/J2 ANT  
 (RED)

500-104913-XXX-XX-03  
 SER# EXXXXX  
 ATG AFT-V2/J1 ANT  
 (BLUE)

500-104913-XXX-XX-04  
 SER# EXXXXX  
 ATG AFT-H2/J2 ANT  
 (RED)

<b>CARLISLE</b>		Carlisle Interconnect Technologies Franklin, WI 53132 414-421-5300	
SIZE	CAGE CODE	LEVEL	DWG NO.
C	66197		500-104913
SCALE:	EFFECTIVITY:	NONE	SHEET 4 OF 4

4

3

2

1