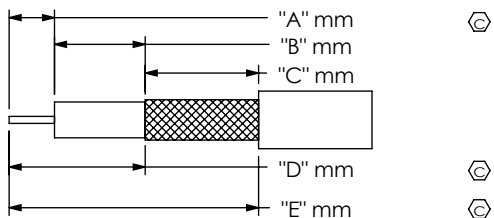




DESIGNED & DIMENSIONED  
IN MILLIMETERS [INCHES]

RFB8T-XXXXX-XXXXXX-XXXX

**FIG. 2**  
CABLE STRIPPING DIMENSIONS  
(STRIPPED AND TINNED OPTION ONLY)  
(SEE NOTES 12, 13, 14, & 15)



**TABLE 1**

STYLE	CABLE CUT LENGTH	HI POT
	SUBTRACTOR (SEE NOTE 2)	DCV
-78SPX	15.7 [0.62]	1000
-79SPX	8.6 [0.34]	1000
-79RPX	5.3 [0.21]	1000
-SING	0.0 [0.00]	1000
-XXXXXX	0.0 [0.00]	1000
-H4SPX	13.3 [0.52]	1000

**TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE**

LENGTH	TOLERANCE
0300-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [.00]
0500-1100 [19.69-43.30]	+10.0 [.40]/-0.0 [.00]

CABLE CALLOUT  
B: CCA-1855A (BELDEN 1855A CABLE)

END 1 CONNECTOR  
-78SP: DIN7A-PP-C-XX-ST-CA8 (SEE SHEET 2)  
-79SP: MBNC7-P-C-XX-ST-CA8 (SEE SHEET 2, SEE NOTE 18)  
-79RP: MBNC7-P-C-XX-RA-CA8 (SEE SHEET 2, SEE NOTE 18)  
-H4SP: HDBNC-P-C-XX-ST-CA8 (SEE SHEET 2)

END 1 PLATING OPTION  
2: ALTERNATE GOLD / NICKEL  
3: ALTERNATE GOLD / NICKEL  
4: GOLD / NICKEL COMBINATION  
5: GOLD / NICKEL COMBINATION  
6: GOLD / NICKEL COMBINATION  
8. ALTERNATE HEAVY GOLD / GOLD FLASH /NICKEL  
(SEE SHEET 2 FOR PLATING SPECIFICS)

OVERALL CABLE LENGTH  
MILLIMETERS OF CABLE  
0300 MIN. (SEE NOTE 8 & 9)

END 2 PLATING OPTION  
2: ALTERNATE GOLD / NICKEL  
3: ALTERNATE GOLD / NICKEL  
4: GOLD / NICKEL COMBINATION  
5: GOLD / NICKEL COMBINATION  
6: GOLD / NICKEL COMBINATION  
8. ALTERNATE HEAVY GOLD / GOLD FLASH /NICKEL  
(SEE SHEET 2 FOR PLATING SPECIFICS)  
(LEAVE BLANK FOR -SING OR -XXXXXX  
END 2 PREPARATION)

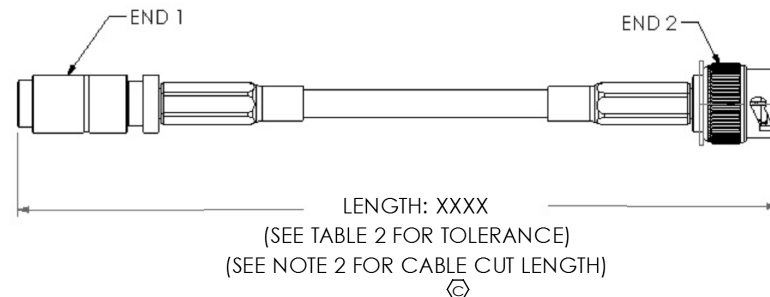
END 2 CONNECTOR OR PREPARATION  
-78SP: DIN7A-PP-C-XX-ST-CA8 (SEE SHEET 2)  
-79SP: MBNC7-P-C-XX-ST-CA8 (SEE SHEET 2, SEE NOTE 18)  
-79RP: MBNC7-P-C-XX-RA-CA8 (SEE SHEET 2, SEE NOTE 18)  
-H4SP: HDBNC-P-C-XX-ST-CA8 (SEE SHEET 2)  
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)  
-XXXXXX: STRIPPED AND TINNED (ONE END ONLY-  
SEE NOTES 11-16, SHEET 2, FIG 3)

(SEE FIG. 2) "C" FORMAT: X.X mm  
(SEE FIG. 2) "B" FORMAT: X.X mm  
(SEE FIG. 2) "A" FORMAT: X.X mm

DO NOT LEAVE ANY SPACE BLANK,  
EACH MUST CONTAIN A  
NUMERIC CHARACTER 0 THRU 9.

NOTES:

- ⊗ REPRESENTS A CRITICAL DIMENSION
- CABLE CUT LENGTH:  
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2) + 12.0 MM\*  
(SEE TABLE 1 FOR SUBTRACTORS)  
(\* = ONLY APPLICABLE IF USING A SEMI-AUTOMATED COAXIAL CABLE STRIPPER TO PROVIDE A CLEAN CUT EDGE)
- ⊗ ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS
- ⊗ ASSEMBLY TO BE 100% HI-POT TESTED PER TABLE 1, THE TEST VOLTAGE FOR THE ASSEMBLY SHOULD BE SET TO THE END OPTION WITH THE LOWEST TEST VOLTAGE RATING.
- AFTER FINAL ELECTRICAL TEST, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL-ET
- CRITICALS ON CONNECTOR PRINTS TO BE CHECKED IN PROCESS.
- FINISHED ASSEMBLIES TO BE PACKAGED PER PACKAGING STANDARD CO-RF-WI-3040-M. ASSEMBLIES WITH LOCKWASHERS, NUTS, AND GASKETS TO BE SHIPPED KITTED AS ONE ASSEMBLY PER BAG, UNASSEMBLED.
- CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS
- S.I. TEST DATA IS PUBLISHED FOR LENGTHS OF 300MM AND 1000MM. TESTING OF OTHER SPECIFIC LENGTHS IS BY REQUEST.
- MINIMUM BEND RADIUS FOR BELDEN 1855A = 38.1 [1.5]
- FOR SING ENDED OR STRIPPED AND TINNED ASSEMBLIES: MAKE A DOUBLE ENDED ASSEMBLY AT TWICE THE CABLE LENGTH AND TEST BEFORE CUTTING ASSEMBLY IN HALF.
- DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm.
- PRODUCTION OF STRIP AND TIN FOR CENTER DIELECTIC USE: A
- PRODUCTION OF STRIP AND TIN FOR SHIELD USE: D=A+B
- PRODUCTION OF STRIP AND TIN FOR JACKET USE: E=A+B+C
- FOR STRIP AND TIN OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.
- CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
- AVAILABLE TO EXISTING CUSTOMERS ONLY



**FIG 1**  
RFB8T-78SPX-79SPX-XXXX SHOWN

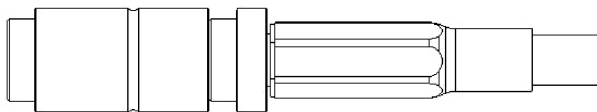
CABLE STRIPPING DIMENSIONS  
PER END 1 AND END 2 ASSEMBLY PRINTS  
OR STRIPPED AND TINNED  
(SEE NOTES 11-15, SHEET 2, FIG 3)

F:\DWG\MISC\MKTG\RFB8T-XXXXX-XXXXXX-XXXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES]. TOLERANCES ARE: DECIMALS      ANGLES .X: ±0.3 [0.1]      2° .XX: ±0.13 [0.05] .XXX: ±0.051 [0.020]	* PROPRIETARY NOTE * THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.	520 PARK EAST BLVD. NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322

**-78SP**  
(STRAIGHT PLUG)

(USE DRAWING No. DIN7A-PP-C-XX-ST-CA8 FOR ASSEMBLY INSTRUCTIONS)



**PLATING**

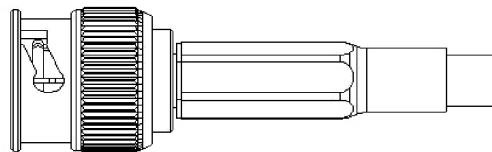
- 4: 10µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: DIN7A-PP-C-GF-ST-CA8)
- 5: 10µ" MIN. GOLD CENTER CONTACT  
10µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: DIN7A-PP-C-GG-ST-CA8)
- 6: 30µ" MIN. GOLD CENTER CONTACT  
30µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: DIN7A-PP-C-HH-ST-CA8)
- 8: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: DIN7A-PP-C-HF-ST-CA8)

NOTE: ALL CRITICAL DIMENSIONS ON DIN7A-PP-C-XX-ST-CA8 THAT APPLY MUST BE VERIFIED.

**-79SP**  
(STRAIGHT PLUG)

(USE DRAWING No. MBNC7-P-C-XX-ST-CA8 FOR ASSEMBLY INSTRUCTIONS)

**AVAILABLE TO EXISTING CUSTOMERS ONLY**

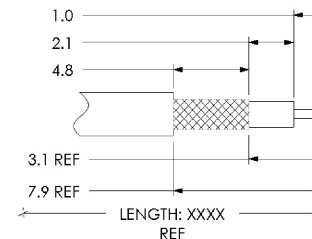
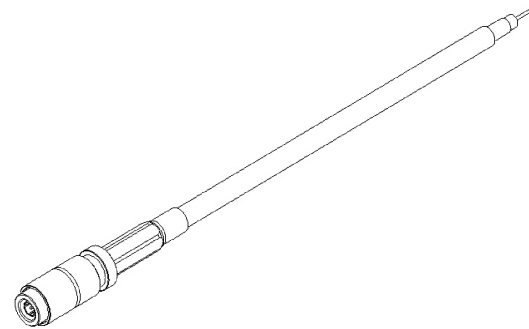


**PLATING**

- 2: 30µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MBNC7-P-C-HN-ST-CA8)
- 3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MBNC7-P-C-GN-ST-CA8)

NOTE: ALL CRITICAL DIMENSIONS ON MBNC7-P-C-XX-ST-CA8 THAT APPLY MUST BE VERIFIED.

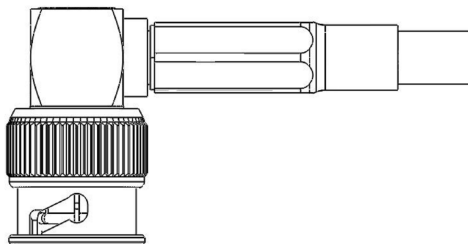
**FIG 3**  
RFB8T-78SPX-102148-XXXX SHOWN  
(SEE NOTE 11)



**-79RP**  
(RIGHT ANGLE PLUG)

(USE DRAWING No. MBNC7-P-C-XX-RA-CA8 FOR ASSEMBLY INSTRUCTIONS)

**AVAILABLE TO EXISTING CUSTOMERS ONLY**



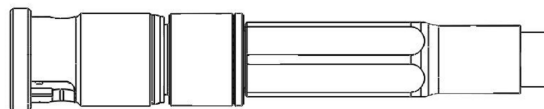
**PLATING**

- 2: 30µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MBNC7-P-C-HN-RA-CA8)
- 3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: MBNC7-P-C-GN-RA-CA8)

NOTE: ALL CRITICAL DIMENSIONS ON MBNC7-P-C-XX-RA-CA8 THAT APPLY MUST BE VERIFIED.

**-H4SP**  
(STRAIGHT PLUG)

(USE DRAWING No. HDBNC-P-C-XX-ST-CA8 FOR ASSEMBLY INSTRUCTIONS)



**PLATING**

- 2: 30µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-HN-ST-CA8)
- 3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-GN-ST-CA8)
- 4: 10µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-GF-ST-CA8)
- 8: 30µ" MIN. GOLD CENTER CONTACT  
3µ" MIN. GOLD OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-HF-ST-CA8)

NOTE: ALL CRITICAL DIMENSIONS ON HDBNC-P-C-XX-ST-CA8 THAT APPLY MUST BE VERIFIED.

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DESCRIPTION:  
TRUE 75 OHM, RF8T CABLE ASSEMBLY

DWG. NO.  
**RFB8T-XXXXX-XXXXX-XXXX**

BY: J. BROWNING 05/13/2010 SHEET 2 OF 2