

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

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)

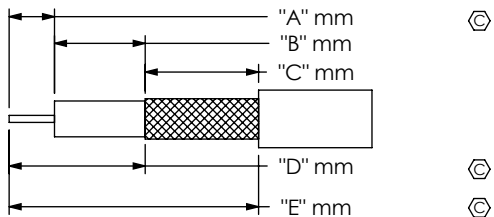


TABLE 1

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)
-79RP: MBNC7-P-C-XX-RA-CA8 (SEE SHEET 2)
-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)
-79RP: MBNC7-P-C-XX-RA-CA8 (SEE SHEET 2)
-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.

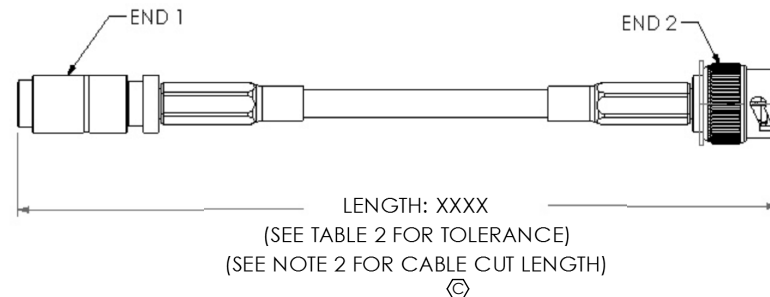


FIG 1
RFB8T-78SPX-79SPX-XXXX SHOWN

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

NOTES:

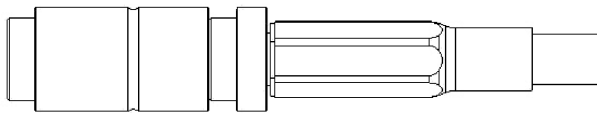
- ⊗ REPRESENTS A CRITICAL DIMENSION
- CABLE CUT LENGTH:
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2) + 12.0 MM*
(* = ONLY APPLICABLE IF USING A SEMI-AUTOMATED COAXIAL CABLE STRIPPER TO PROVIDE A CLEAN CUT EDGE)
- ⊗ 3. ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS
- ⊗ 4. ASSEMBLY TO BE 100% HI-POT TESTED PER TABLE 1
- 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. LOCK WASHERS AND NUTS TO BE SHIPPED UNASSEMBLED. GASKETS TO BE INSTALLED ON CABLE.
- 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-HD-WI-3048-M.

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 INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED 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)



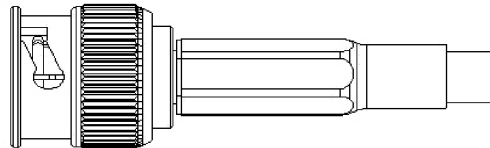
PLATING

- 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)

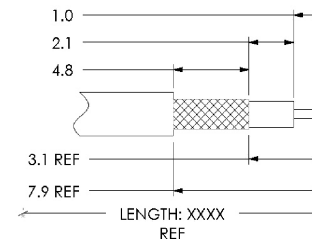
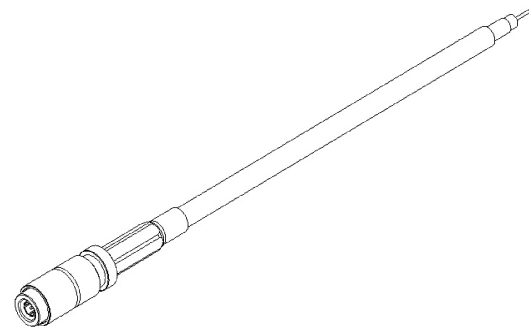


PLATING

- 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)

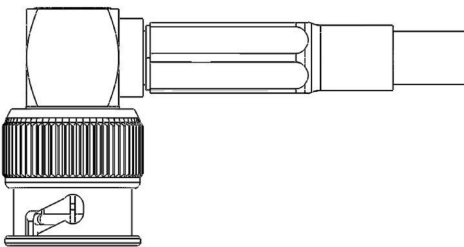
NOTE: ALL CRITICAL DIMENSIONS ON MBNC7-P-C-XX-ST-CA8 THAT APPLY MUST BE VERIFIED.

FIG 3
RFB8T-78SPX-102T48-XXXX SHOWN
(SEE NOTE 11)



-79RP
(RIGHT ANGLE PLUG)

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



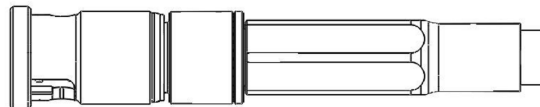
PLATING

- 2: 30µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: 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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520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 5332

DESCRIPTION:
TRUE 75 OHM, RF8T CABLE ASSEMBLY

DWG. NO.
RFB8T-XXXXX-XXXXXX-XXXX

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