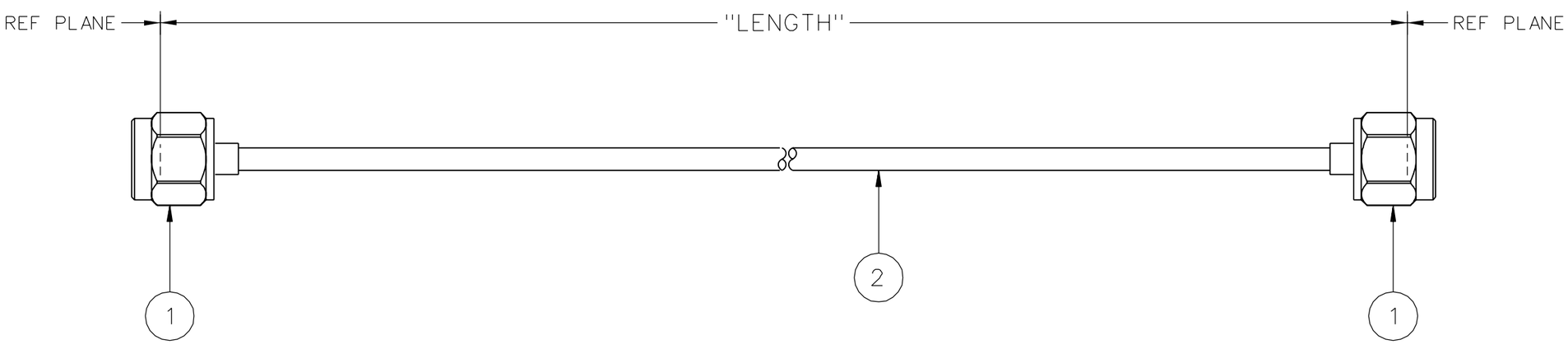
PART NUMBER	ITEM ① SMA STR SOLDER PLUG	ITEM ② CABLE
415-0081-001/999	BODY - BRASS GOLD PL .00001 MIN OVER NICKEL PL OVER COPPER PL COUPLING NUT - BRASS GOLD PL .00001 MIN OVER NICKEL PL OVER COPPER PL CONTACT - BRASS GOLD PL .00005 MIN OVER NICKEL PL OVER COPPER PL INSULATOR - TEFLON C-SPRING - BERYLLIUM COPPER UNPLATED	.086 CONFORMABLE SHIELD - TIN FILLED COPPER BRAID OVER COPPER FOIL DIELECTRIC- TEFLON CENTER CONDUCTOR - STEEL SILVER PLATED OVER COPPER PLATING

PART NUMBER	"LENGTH"	NOMINAL ELECTRICAL DELAY (nS)	INSERTION LOSS (MAX dB) Vs. FREQUENCY (GHz)						VSWR (MAX) Vs. FREQUENCY f (GHz)		
			0 TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	0 TO 1	1 TO 2	2 TO 18
415-0081-003	3.00±.05	0.36	0.12	0.17	0.24	0.29	0.41	0.51			
415-0081-004	4.00±.05	0.49	0.14	0.20	0.29	0.35	0.49	0.60			
415-0081-005	5.00±.10	0.61	0.17	0.23	0.33	0.40	0.57	0.70			
415-0081-006	6.00±.10	0.73	0.19	0.26	0.38	0.46	0.65	0.79			
415-0081-007	7.00±.10	0.85	0.21	0.30	0.42	0.51	0.72	0.89	1.06	1.10	1.1+.01f
415-0081-008	8.00±.10	0.97	0.23	0.33	0.47	0.57	0.80	0.98			
415-0081-012	12.00±.15	1.46	0.32	0.45	0.65	0.79	1.11	1.36			
415-0081-018	18.00±.15	2.19	0.46	0.64	0.92	1.12	1.58	1.93			
415-0081-024	24.00±.15	2.92	0.59	0.83	1.19	1.45	2.04	2.49			



NOTES:

1. SPECIFICATIONS:

   FREQUENCY: 0-18 GHz
   VSWR: (SEE P/N BLOCK)
   INSERTION LOSS: (SEE P/N BLOCK)
   DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS
   WORKING VOLTAGE: 335 VRMS

DRAWING NO.
B -415-0081-001/999

0	REVISIONS						
ENGINEERING RELEASE							
1	9-16-05	RJB	JCN	JHZ			11-3-05 ECN 49890
VERSION UPDATE							
2	12-9-05	PAT	RJB	JHZ	JCN		12-21-05 ECN 50040
ADD CUSTOMER DRAWING							
3	7-10-06	PAT	TAK	MJU			8-15-06 ECN 50529
VERSION UPDATE ********** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * **********							
3a	10-17-08	PAT	RJB	MJU	RB	JCN	10-20-08 ECN 51691

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY RJB	DATE 8-17-05
DECIMALS .XX	mm	CHECKED BY JCN	DATE 9-26-05
.XXX		APPROVED BY JHZ	DATE 9-27-05
MATL		RELEASE DATE	11-3-05
FINISH		U/M INCH	SCALE 2:1

cinch CONNECTIVITY SOLUTIONS a bel group
Cinch Connectivity Solutions
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
CABLE ASSEMBLY, STR SMA PLUG TO STR SMA PLUG, .086 CONFORMABLE

SHEET 2 OF 2

DRAWING NO. B - 415-0081-001/999