

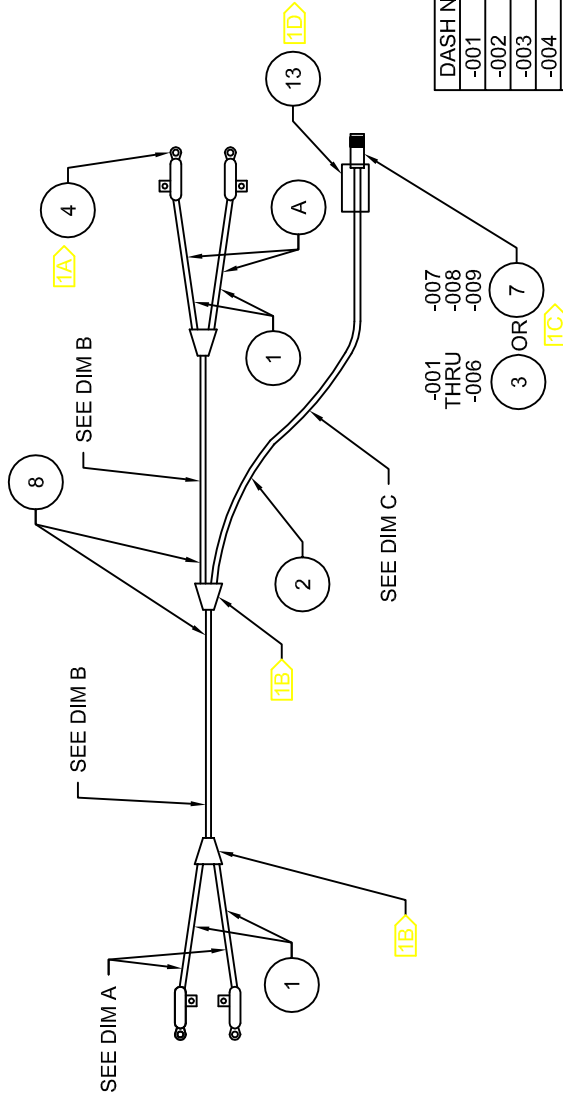
REV.	DESCRIPTION	DATE	APP.
	SEE SEPARATE SHEET FOR REVISION		

REV.	DESCRIPTION	DATE	APP.
	SEE SEPARATE SHEET FOR REVISION		

**NOTES:**

- 1) FOR PROPER TRIMMING AND ASSEMBLY REFER TO THE FOLLOWING INSTRUCTIONS:
  - (A) 090014-000 FOR TAPED FEEDER ASSEMBLY INSTRUCTIONS.
  - (B) 090015-000 FOR 3-WAY SPLICE ASSEMBLY INSTRUCTIONS.
  - (C) 090477-000 OR 090484-000 FOR CONNECTOR ASSEMBLY.
  - (D) SEAL CONNECTOR/CABLE INTERFACE PER 090222-000.

2) ALL DIMENSIONS INDICATE CABLE CUT LENGTH AND HAVE AN OVERALL TOLERANCE OF PLUS/MINUS 1/16.



VB-8 is 50 ohm cable  
 VB-11 is 75 ohm cable  
 VB-42 is 42 ohm cable

2

DASH NO.	FREQ. (MHZ)	DIM. A	DIM. B	DIM. C	TERMINATION	ANT. (REF)
-001	150-160	25 1/2	12 1/2	59	UHF	DB 304
-002	155-165	24 1/2	12	55 1/2	UHF	DB 304
-003	164-174	23 1/2	11 1/2	53	UHF	DB 304
-004	150-160	25 1/2	12 1/2	64 1/2	UHF	DB 302
-005	155-165	24 1/2	12	61	UHF	DB 302
-006	164-174	23 1/2	11 1/2	58 1/2	UHF	DB 302
-007	150-160	25 1/2	12 1/2	64 1/2	NM	DB 302
-008	155-165	24 1/2	12	61	NM	DB 302
-009	164-174	23 1/2	11 1/2	58 1/2	NM	DB 302
CABLE TYPE						
VB-8						VB-11
VB-8						VB-42

**ANDREW** <sup>®</sup>  
 Andrew Corporation  
 10500 W. 153rd Street  
 Orland Park, IL U.S.A. 60462

TITLE: **HARNES SUBASSEMBLY  
 UPPER MAST DB302, 315, 304**

SIZE: **B** DRAWING No. **018425-001/009** REV. **M**

DO NOT SCALE DRAWING SHEET 1 OF 3

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. INTERPRET DIM & TOL PER ASME Y14.5M-1994

MATERIAL: N/A FINISH: N/A

DRAWN BY: D.P. DATE: 05/25/71

CHKD.: L.A. DATE: 03/06/72

ELEC. ENG.: M.U. DATE: N/A

MECH. ENG.: N/A DATE: N/A

MFR. ENG.: N/A DATE: N/A

RELEASED: L.A. DATE: 03/06/72

SEE WHERE USED REMOVE ALL BURRS AND SHARP EDGES. PART TO BE FREE OF DIRT, OIL, FOREIGN PARTICLES. PART SHALL CONFORM TO DB STANDARD PRACTICES PER ADTX COMPANY PROCEDURE 109-1.

NEXT ASSEMBLY

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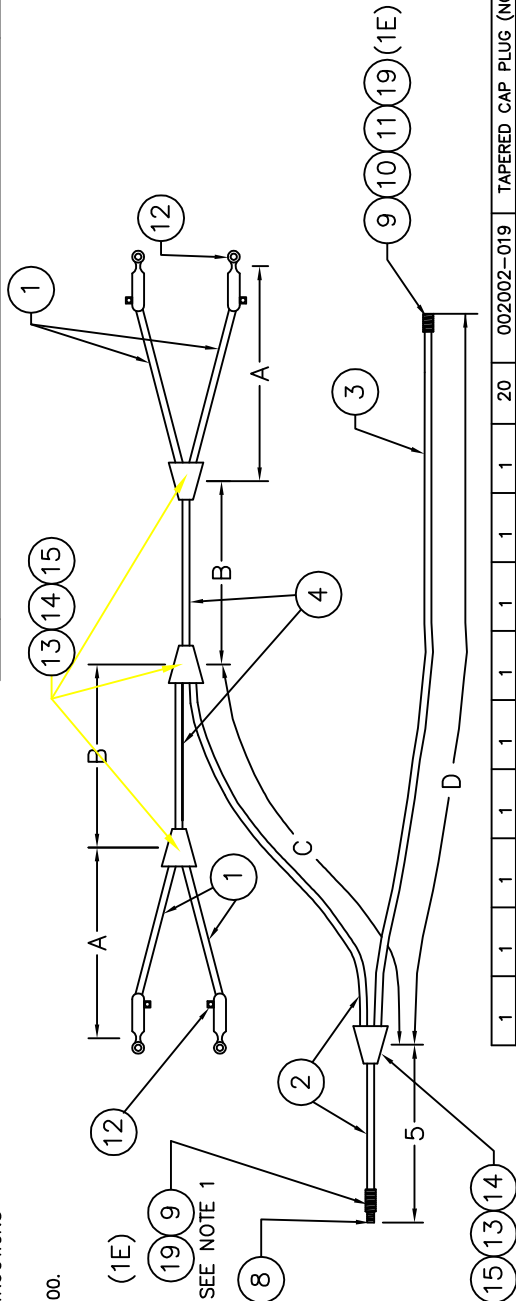
REV. DESCRIPTION DATE APP

SEE SEPARATE LIST OF REVISIONS

REVISIONS **01/26/2002 08:20:08**

**NOTES:**

1. FOR PROPER CABLE TRIMMING AND ASSEMBLY REFER TO THE FOLLOWING INSTRUCTIONS—
  - (A) 090477-000 OR 090484-000 FOR CONNECTOR INSTRUCTIONS
  - (B) 090014-000 FOR TAPED FEEDER INSTRUCTIONS.
  - (C) 090015-000 FOR 3-WAY SPLICE ASSEMBLY
  - (D) SEAL CONNECTOR/CABLE INTERFACE PER 090222-000.
  - (E) 090222-000 SHRINK TUBING (3 1/2").
2. ALL DIMENSIONS INDICATE CABLE CUT LENGTH.



1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20	022002-019	TAPERED CAP PLUG (NOT SHOWN)	EA
.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	19	007055-032	SHRINK TUBING	FT
.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	18	002003-042	SOLDER	OZ
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	002002-040	CAP PLUG, EP YELLOW (NOT SHOWN)	EA
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	16	018008-001	SPLICE, COPPER CABLE	EA
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	15	011002-016	TIN PLATED WIRE, NO 26	EA
.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	.46	14	011002-015	BLACK POLYETHYLENE RESIN	EA
.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	13	002001-027	TAPE, TEFLON SEALANT 1/2 IN	EA
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	090014-000	TAPED AND SCOTCHKOTE TERMINAL	EA
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	001009-144	CONNECTOR	EA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	001009-146	CONNECTOR UG 1186	EA
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	001011-003	CONNECTOR PL 259	EA
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	001011-018	ADAPTER-PL 258	EA
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	007063-001	TERMINAL RING	EA
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	007057-001	EYELET NO A1252 (NOT SHOWN)	EA
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	018100-001	SHIELD LUG, TIN PLATED	EA
AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	4	053001-004	COAXIAL CABLE VB 11	FT
AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	3	053001-001	COAXIAL CABLE VB 83	FT
AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	2	053001-002	COAXIAL CABLE VB 42	FT
AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	1	053001-003	COAXIAL CABLE VB 8	FT
-009	-008	-007	-006	-005	-004	-003	-002	-001	-001	-001	-001	-001	-001	-001	-001	-001	-001	-001	-001	ITEM	PART NO.	DESCRIPTION	UM

DASH	FREQ. (MC)	DIM A	DIM B	DIM C	DIM D	TERMINATION
001	150-160	25 1/2	12 1/2	64 1/2	114	UHF
002	155-165	24 1/2	12	61	108	UHF
003	164-174	23 1/2	11 1/2	58 1/2	101 7/8	UHF
004	150-160	25 1/2	12 1/2	64 1/2	114	NF
005	155-165	24 1/2	12	61	108	NF
006	164-174	23 1/2	11 1/2	58 1/2	101 7/8	NF
007	150-160	25 1/2	12 1/2	64 1/2	114	NM
008	155-165	24 1/2	12	61	108	NM
009	164-174	23 1/2	11 1/2	58 1/2	101 7/8	NM

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. INTERPRET DIM & TOL PER ASME Y14.5M-1994

FRACTION:  $\pm 1/32$  DECIMAL: .XXX =  $\pm .005$  .XX =  $\pm .01$  ANGLE:  $\pm .5^\circ$

MATERIAL: N/A FINISH: N/A DATE: 3-3-95 DRAWN BY: MR DATE: N/A CHKD.: N/A DATE: 3-6-72 ELEC. ENG.: LA DATE: N/A MECH. ENG.: N/A DATE: N/A MFR. ENG.: N/A DATE: N/A RELEASED: LA DATE: 3-6-72

REMOVE ALL BURRS AND SHARP EDGES. PART SHALL CONFORM TO DB STANDARD PRACTICES. SEE WHERE USED NEXT ASSEMBLY

ALLIEN TELECOM PRODUCTS

8635 STEMMONS FRWY. DALLAS, TEXAS 75356-9610

TITLE: HARNESS ASSEMBLY

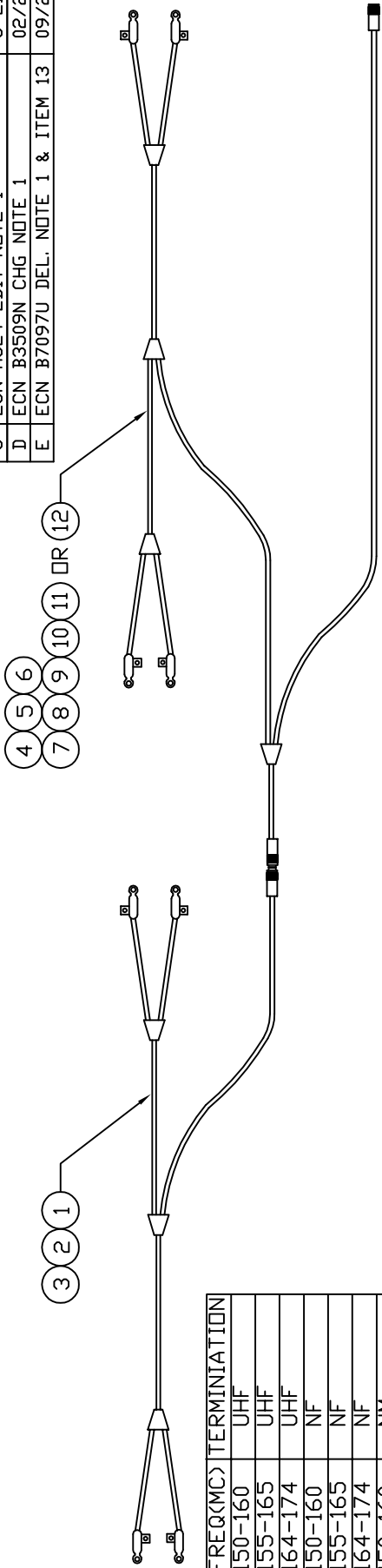
SIZE: D DRAWING No. 018426-001/009 REV. H DO NOT SCALE DRAWING SHEET 1 OF 2

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# NOTES:

## REVISIONS

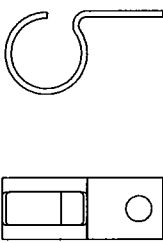

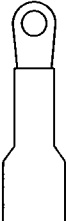
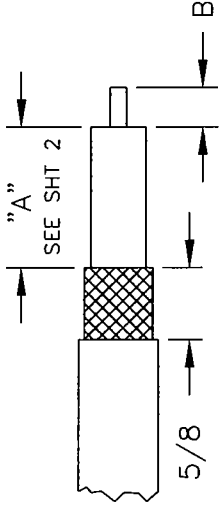
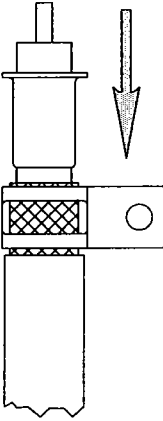
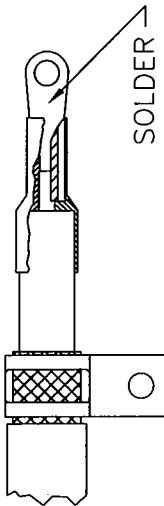
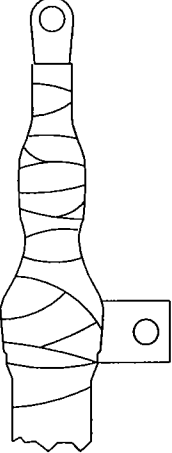
LTR.	DESCRIPTION	DATE	APP.
A	ECN 1431 ADD NOTE 1	1-28-77	RHB
B	ECN 1756 ADD -007 THRU -009	4-27-78VZ	RHB
	ND CHG CLARIFY DASH NO. BLOCK	12-17-79	VZ
C	ECN A824 EDIT NOTE 1	5-21-93MS	MU
D	ECN B3509N CHG NOTE 1	02/26/00PD	E.S.
E	ECN B7097U DEL. NOTE 1 & ITEM 13	09/26/02CS	MW



DASH	FREQ(MC)	TERMINATION
001	150-160	UHF
002	155-165	UHF
003	164-174	UHF
004	150-160	NF
005	155-165	NF
006	164-174	NF
007	150-160	NM
008	155-165	NM
009	164-174	NM

					1						12	018426-006	HARNASS SUB-ASSY LOWER	EA
					1						11	018426-005	HARNASS SUB-ASSY LOWER	EA
				1							10	018426-004	HARNASS SUB-ASSY LOWER	EA
					1						9	018426-003	HARNASS SUB-ASSY LOWER	EA
					1						8	018426-002	HARNASS SUB-ASSY LOWER	EA
							1				7	018426-001	HARNASS SUB-ASSY LOWER	EA
											6	018426-009	HARNASS SUB-ASSY LOWER	EA
1											5	018426-008	HARNASS SUB-ASSY LOWER	EA
					1						4	018426-007	HARNASS SUB-ASSY LOWER	EA
					1						3	018425-003	HARNASS SUB-ASSY UPPER	EA
1					1						2	018425-002	HARNASS SUB-ASSY UPPER	IN
							1				1	018425-001	HARNASS SUB-ASSY UPPER	IN
-009											ITEM	PART No.	DESCRIPTION	UM

TOLERANCES		TITLE	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		HARNASS ASSEMBLY	
FRACTION	DECIMAL	DATE	FINISH
$\pm 1/32$	.XXXX	5/27/71	---
$\pm 1/2$	XX	LA DATE 3/6/72	---
$\pm 1/4$	XXX	CHK.	MAT'L
		DESIGN	DECIBEL PRODUCTS INC.
		MFG.	DALLAS, TEXAS
		RELEASED	SIZE
		LA DATE 3/6/72	B
			REV.
			E
		DO NOT SCALE	SHT. 1 OF 1

DRAWN D.PERRY DATE 8-29-69 RELEASED R.C.TROTT DATE 4-3-70		REV. E 090014-000	
TITLE: CABLE TERMINAL ASSY INSTRUCTIONS		007063-001	
GROUND CLAMP  018100-001	BRASS EYELET  007057-001	TERMINAL LUG 	007063-001
 <p>"A" SEE SHT 2 5/8 B</p>		CUT CABLES TO PROPER DIMENSIONS AS SHOWN	
		POSITION CLAMP OVER BRAID SO THAT EDGE IS EVEN WITH CUT END OF BRAID. INSERT EYELET UNDER BRAID UNTIL FLANGE IS FLUSH WITH CLAMP. CRIMP CLAMP TO HOLD IN PLACE. SOLDER EYELET AND CLAMP TO BRAID.	
 <p>SOLDER</p>		PLACE LUG ON CENTER CONDUCTOR AS SHOWN AND CRIMP. SOLDER AS INDICATED IN ILLUSTRATION. APPLY SCOTCH KOTE TO DIELECTRIC PER. SPEC (091030-000)	
		TAPE ENTIRE ASSEMBLY. APPLY SCOTCH KOTE TO ASSEMBLY. (002001-101)	
A ECN 2718 12-21-81 ADD SCOTCHKOTE NOTE	DECIBEL PRODUCTS DALLAS, TEXAS	SHEET 1 OF 2	

REV: E 090014-000

DRAWN D.MARR DATE 1-30-70  
 RELEASED DATE

TITLE: CABLE TERMINAL ASSY INSTRUCTIONS

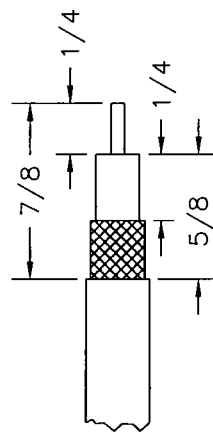
TYPE	DIM "A"	DIM "B"
DB214 H.B.	1-3/4	3/8
DB212 L.B.	1-3/4	1/4
DB225 L.B. & 70MC	2-1/4	3/8
DB230 H.B.	2-5/8	3/8
DB286 H.B.	7/8	3/8
DB230 L.B. DB286 L.B. DB214 L.B.	1-1/8	3/8
DB222/224/228 DB304 DB404 & DB408	1-3/4	3/8
DB220 HB & LB		

E	ECN B7068U ADDED DB304 9-19-02 CS MW
D	ECN B0553U FIX TABLE INFORMATION. 12-05-98DGS MW
C	ECN 3576 ADD 002001-010 TO 4th INSTRUCTION ON PAGE 1 12-4-84DR
B	ECN 3206 1-20-84 ADD DIM-B

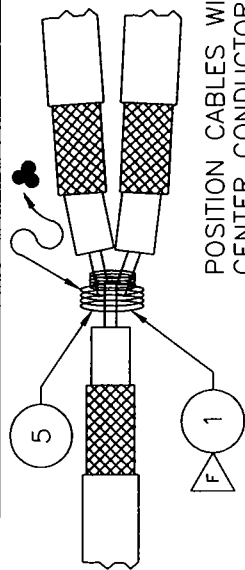
DECIBEL PRODUCTS  
DALLAS, TEXAS

SHEET 2 OF 2

REV.	DESCRIPTION	DATE	APP.
		07/29/1989 09:49:00	

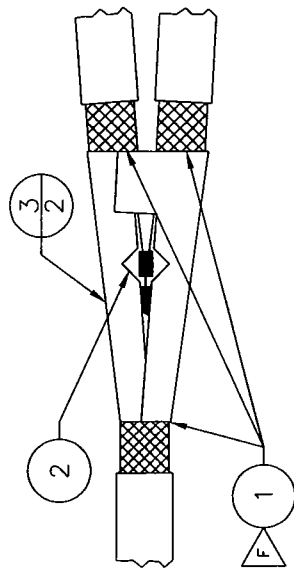


CUT CABLES TO PROPER DIMENSIONS AS SHOWN



POSITION CABLES WITH CENTER CONDUCTORS IN POSITION SHOWN IN VIEW AT UPPER RIGHT. WRAP CENTER CONDUCTORS WITH BUSS WIRE AND COVER WITH SOLDER.

1	2
3	4



WRAP SOLDERED CENTER CONDUCTORS WITH TAPE & POSITION SPLICE CONDUCTORS ON BRAID AS SHOWN. CRIMP TABS TO HOLD IN PLACE AND SOLDER SPLICE CONDUCTORS TO BRAID ON ALL CABLES.

COVER ENTIRE ASSEMBLY WITH POLYETHYLENE RESIN (ALATHON), ITEM 4.

 <b>ANDREW</b> ® Andrew Corporation 16500 W. 153rd Street Orland Park, IL U.S.A. 60462		FINISH: N/A
MATERIAL: N/A	DRAWN BY: D. PERRY CHKD.: L. NEWSOM ELEC. ENG.: M. WAYNE MECH. ENG.: A. PROMYSLOV	DATE: 09-24-69 DATE: 10-01-03 DATE: 09-26-03 DATE: 10-01-03
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO BE INTERPRETED IN INCHES PER ASME Y14.5M-1994	DECIMAL: .010 .XX = ±.02 X = ±.1	ANGLE: ±.5°
NEXT ASSEMBLY		RELEASED: R. C. TROTT REMOV. ALL BURRS AND SHARP EDGES. PART TO BE FREE OF STANDARD PRACTICES PER ADTX COMPANY PROCEDURE 109-1.
TITLE: CABLE SPLICING INSTRUCTIONS		DRAWING No. 090015-000 SIZE A DO NOT SCALE DRAWING
SHEET 1 OF 3		REV. F

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Andrew Corporation  
10500 W. 153rd Street  
Orland Park, IL U.S.A. 60462

REV.  
F

090015-000

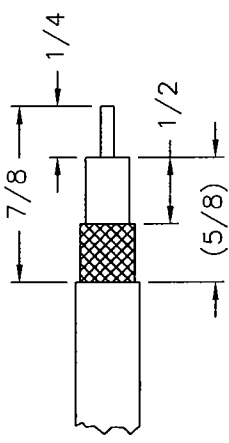
# BILL OF MATERIALS

SHEET  
2 OF 3

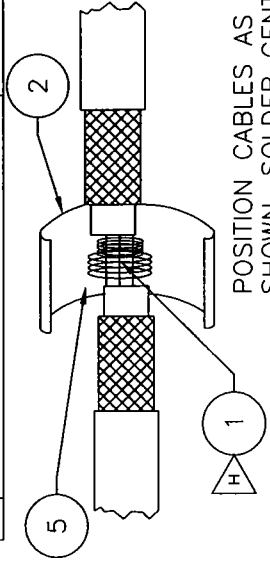
QUANTITY		ITEM	PART NUMBER	DESCRIPTION	U/M
-010-009-008-007-006-005-004-003-002-001	.001	1	002003-042	SOLDER .063 DIA CRYSTAL 502	LB
	.166	2	002001-027	TAPE - TEFLON	FT
	.2	3	018008-001	SPICE CONDUCTOR	EA
	.05	4	011002-015	POLYETHYLENE RESIN - ALATHON #33	OZ
	.5	5	011002-015	WIRE BUSS #27 - B.C. #1	FT
		6			EA
		7			EA
		8			EA
		9			EA
		10			EA
		11			EA
		12			EA
		13			EA
		14			EA
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090015-000

REV.	DESCRIPTION	09/13/1999	08:05:14	APP.
		DATE		

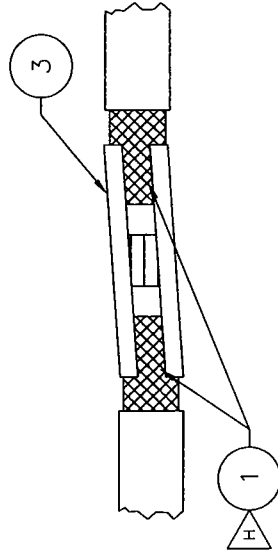


CUT CABLES TO PROPER DIMENSIONS AS SHOWN

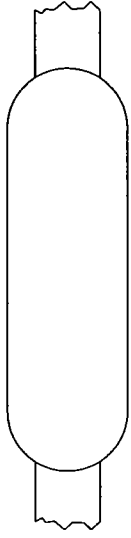


POSITION CABLES AS SHOWN. SOLDER CENTER CONDUCTORS TOGETHER AND WRAP WITH TAPE AS SHOWN. WRAP DIELECTRIC WITH TAPE.

1	2
3	4



POSITION SPLICE CONDUCTORS ON BRAID AS SHOWN. CRIMP TABS TO HOLD IN PLACE AND SOLDER SPLICE CONDUCTORS TO BRAID ON ALL CABLES.



COVER ENTIRE ASSEMBLY WITH POLYETHYLENE RESIN (ALATHON), ITEM 4.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. PER ASME Y14.5M-1994		FINISH:	
DECIMAL:	XXX = ±.010	MATERIAL:	
XX = ±.02	ANGLE: ±.5°	DRAWN BY: D. MARR	DATE: 04-15-70
X = ±.1		CHKD.:	DATE:
		ELEC. ENG.: M. WAYNE	DATE: 09-26-03
		MECH. ENG.:	DATE:
		MFG. ENG.:	DATE:
		RELEASED: R. ALCORN	DATE: 08-13-70
		ALL DIMENSIONS SHALL CONFORM TO THE SIZE OF FOREIGN PARTICLES. PART SHALL CONFORM TO STANDARD PRACTICES PER 70TX COMPANY PROCEDURE 109-1.	
NEXT ASSEMBLY		TITLE: CABLE SPLICING INSTRUCTIONS	
		DRAWING No. 090017-000	
		REV. H	
		DO NOT SCALE DRAWING	
		SHEET 1 OF 3	

**ANDREW** Andrew Corporation  
10500 W. 153rd Street  
Orland Park, IL U.S.A. 60462

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**ANDREW**<sup>®</sup>  
 Andrew Corporation  
 10500 W. 153rd Street  
 Orland Park, IL U.S.A. 60462

REV. H  
 090017-000

**BILL OF MATERIALS**

SHEET 2 OF 3

ITEM	QUANTITY	PART NUMBER	DESCRIPTION	U/M
010-009-008-007-006-005-004-003-002-001				
1	.001	002003-042	SOLDER .063 DIA CRYSTAL 502	LB
2	.166	002001-027	TAPE TEFLON	FT
3		018008-001	SPICE CONDUCTOR	EA
4	.04	011002-015	POLYETHELENE RESIN - ALATHON #33	OZ
5	.5	011002-016	#26 TINNED PLATED COPPER WIRE	FT
6				EA
7				EA
8				EA
9				EA
10				EA
11				EA
12				EA
13				EA
14				EA
15				EA
16				EA
17				EA
18				EA
19				EA
20				EA
21				EA
22				EA
23				EA
24				EA
25				EA
26				EA
27				EA
28				EA
29				EA
30				EA
31				EA
32				EA
33				EA
34				EA
35				EA
36				EA
37				EA
38				EA
39				EA
40				EA

09/13/1999 08:04:43 090017-000

06/01/98 12:32:48		090021-000	
DRAWN D. PERRY	DATE 9-24-69	TITLE: CABLE SPLICING INSTRUCTIONS	
RELEASED R. C. TROTT	DATE 4-3-70		
		CUT CABLES TO PROPER DIMENSIONS AS SHOWN	
		POSITION THREE CABLES AS SHOWN AND SOLDER CENTER CONDUCTORS TOGETHER.	
		POSITION FOURTH CABLE AS SHOWN AND WRAP CENTER CONDUCTORS WITH BUSS WIRE. SOLDER ENTIRE WRAPING.	
		WRAP SOLDERED CENTER CONDUCTOR WITH NARROW WIDTH TAPE. WRAP TAPE AND DIELECTRIC WITH LARGE WIDTH TAPE.	
		POSITION SPLICE CONDUCTORS ON BRAID CONDUCTORS AS SHOWN. CRIMP TABS TO HOLD IN PLACE AND SOLDER. SPLICE CONDUCTORS TO BRAID ON ALL CABLES.	
		COVER ENTIRE ASSEMBLY WITH POLYETHYLENE RESIN (ALATHON)	



Andrew Corporation  
10500 W. 153rd Street  
Orland Park, IL U.S.A. 60462

REV.  
D

090021-000

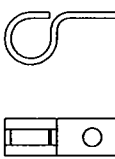
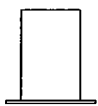

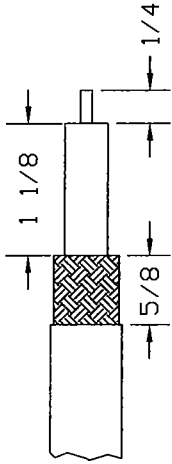
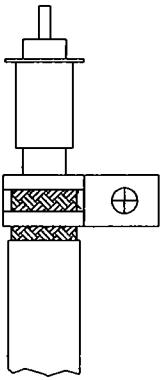
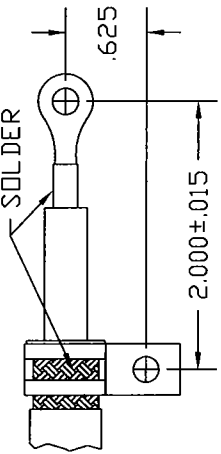
# BILL OF MATERIALS

SHEET  
2 OF 2

QUANTITY		ITEM	PART NUMBER	DESCRIPTION	U/M
-010-009-008-007-006-005-004-003-002-001	.001	1	002003-042	SOLDER .063 DIA CRYSTAL 502	LB
	-	2	-	-	-
	.166	3	002001-027	TAPE FEFLON	FT
	2	4	018008-001	SPLICE CONDUCTOR	EA
	.08	5	011002-015	PLYETHLENE RESIN - ALATHON #33	EA
	.5	6	011002-016	#26 TINNED PLATED COPPER WIRE	FT
		7			EA
		8			EA
		9			EA
		10			EA
		11			EA
		12			EA
		13			EA
		14			EA
		15			EA
		16			EA
		17			EA
		18			EA
		19			EA
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090021-000

090042-000

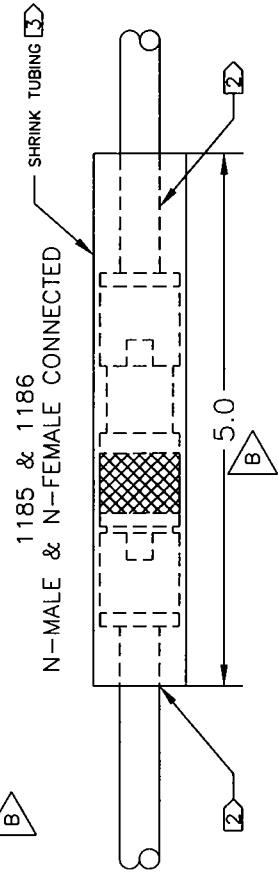
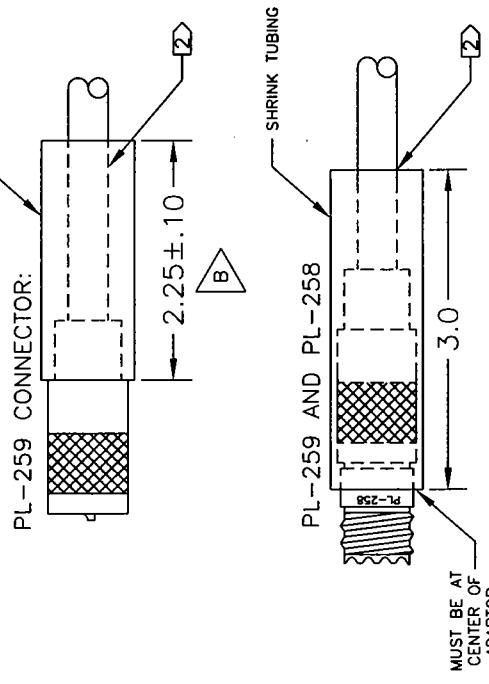
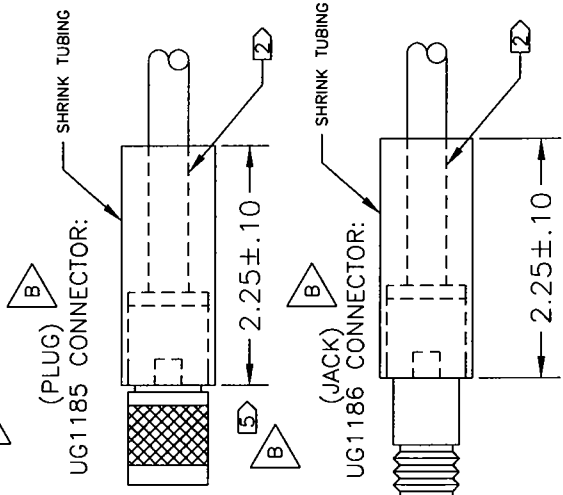
DRAWN V. ZABY DATE 1-11-83 CHK. DATE DESIGN ENG. DATE MFG. ENG. S.V. DATE 1-19-83 RELEASED P.B.S. DATE 1-18-83		TITLE: CABLE TERMINAL ASSEMBLY INSTRUCTIONS DB 400 SERIES ANTENNAS	
GROUND CLAMP  018100-001		BRASS EYELET  007057-001	
TERMINAL LUG  007063-005		CUT CABLES TO PROPER DIMENSIONS AS SHOWN	
		POSITION CLAMP OVER BRAID SO THAT EDGE IS EVEN WITH CUT END OF BRAID. INSERT EYELET UNDER BRAID UNTIL FLANGE IS FLUSH WITH CLAMP. CRIMP CLAMP TO HOLD IN PLACE. SOLDER EYELET AND CLAMP TO BRAID. REVERSE CLAMP FOR OPPOSITE HAND.	
		PLACE LUG ON CENTER CONDUCTOR AS SHOWN AND CRIMP. SOLDER AS INDICATED IN ILLUSTRATION.	
		POT ASSEMBLY AS SHOWN.	
A ECN 9135 ADDED TOLERANCE TO STEP THREE 11-22-91 EC JB		DECIBEL PRODUCTS DALLAS, TEXAS	

REV.	DESCRIPTION	DATE	APP.
A	ECN B2361U ADD PICTORIALS. CHG DIM & NOTES.	09-21-99	DGS MW
B	ECN B8819U CHG DIM AND ADD NOTE 5.	10/20/03	LB MW

REV.	DESCRIPTION	DATE	APP.
A	ECN B2361U ADD PICTORIALS. CHG DIM & NOTES.	09-21-99	DGS MW
B	ECN B8819U CHG DIM AND ADD NOTE 5.	10/20/03	LB MW

**NOTES:**

1. LOCATE SHRINK TUBE OVER INTERFACE AS SHOWN
2. APPLY HEAT TO SHRINK TUBING UNTIL IT CLOSES TIGHTLY AND ADHESIVE FORMS A BEAD AROUND ENDS OF SHRINK TUBING.
3. SHRINK TUBING SHOULD BE CENTERED OVER BOTH CONNECTORS.
4. ALL DIMENSIONS SHOULD BE PRIOR TO HEATING TUBE.
5. SHRINK TUBING SHOULD NOT IMPEDE MOTION OF KNURLED CONNECTOR NUT.



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. INTERPRET DIM & TOL PER ASME Y14.5M-1994		MATERIAL:	N/A	FINISH:	NA/
DECIMAL:	.XXX = ±.010	DRAWN BY:	GW	DATE:	01-29-92
ANGLE:	.XX = ±.02	CHKD.:	AG	DATE:	01-29-92
	.X = ±.1	ELEC. ENG.:	MW	DATE:	9-25-03
		MECH. ENG.:	N/A	DATE:	N/A
		MFR. ENG.:	JB	DATE:	01-29-92
		RELEASED:	AC	DATE:	01-29-92
		REMOVE ALL BURRS AND SHARP EDGES. PART TO BE FREE OF DIRTY OIL FOREIGN PARTICLES. PART SHALL CONFORM TO DD STANDARD PRACTICES PER ADX COMPANY PROCEDURE 109-1.			
NEXT ASSEMBLY					

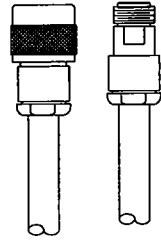
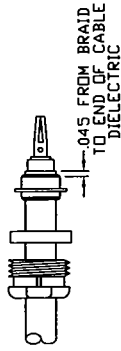
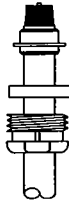
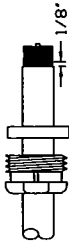
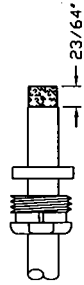
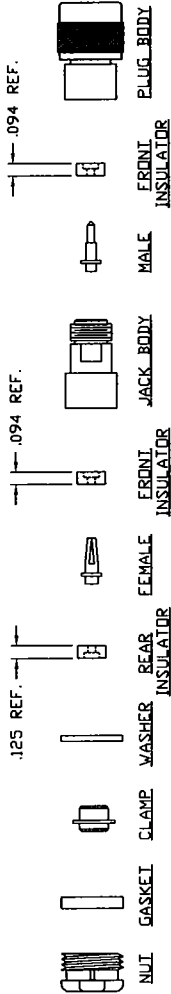
<b>ANDREW</b>		Andrew Corporation 10500 W. 153rd Street Orland Park, IL U.S.A. 60462	
TITLE: INSTALLATION, SHRINK TUBING			
DRAWING No.	090222-000	REV.	B
SIZE	B	DO NOT SCALE DRAWING	SHEET 1 OF 1

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REV. B 090477-000

TITLE: ASSY. INSTRUCTIONS  
COAXIAL CONNECTOR  
TYPE N

DRAWN	C.B.	DATE	08/24/99
CHK.	E.C.	DATE	08/26/99
DESIGN ENG.	M.W.	DATE	08/26/99
MFG. ENG.	C.P.	DATE	08/26/99
RELEASED	E.C.	DATE	08/26/99



CUT END OF CABLE EVEN. PLACE NUT & GASKET WITH 'V' GROOVE TOWARD CLAMP, OVER CABLE & CUT OFF JACKET 23/64" FROM END

COMB OUT BRAID AS SHOWN. CUT OFF CABLE DIELECTRIC 1/8"

PULL BRAID WIRES FORWARD & TAPER TOWARD CENTER CONDUCTOR. PLACE CLAMP OVER BRAID & PUSH BACK AGAINST CABLE JACKET.

FOLD BACK WIRES AS SHOWN, TRIM TO PROPER LENGTH & FORM OVER CLAMP AS SHOWN. TIN EXPOSED CENTER CONDUCTOR USING MINIMUM AMOUNT OF HEAT. SLIDE ON WASHER, REAR INSULATOR & CONTACT SHOULDER, INSULATOR, & CABLE CORE MUST BUTT AS SHOWN. SOLDER CONTACT TO CENTER CONDUCTOR.

SLIDE FRONT INSULATOR OVER CONTACT. BE SURE TO PLACE COUNTER BORE END OF INSULATOR TOWARD MATING END OF CONTACT.

INSERT PREPARED CABLE TERMINATION INTO CONNECTOR BODY. MAKE SURE SURE SHARP EDGE OF CLAMP SEATS PROPERLY IN GASKET. TIGHTEN NUT, HOLDING BODY STATIONARY. RECOMMENDED TO TORQUE NUT 61 IN. LBS.

NOTE: FOR ARMORED CABLE SLIDE OVER ARMOR FIRST. PUSH ARMOR & CAP BACK OUT OF WAY & PROCEED WITH ASSEMBLY AS DIRECTED ABOVE USING ARMOR CLAMP IN PLACE OF STANDARD CLAMP NUT. WHEN ASSEMBLY IS COMPLETE, STRAIGHTEN BULGE IN ARMOR & TRIM SO IT CAN BE CLAMPED BETWEEN NUT & CAP.

USE DIVCO #276 (OR HIGH TEMP. ALLOY) SOLDER FOR HIGH TEMP. APPLICATIONS.

A RELEASED DWG. B ECN B8807U  
ADD TO NOTES.  
10/22/03 LB MW  
08/26/99EC

**ANDREW**  
Andrew Corporation  
10900 W. 153rd Street  
Orland Park, IL U.S.A. 60462

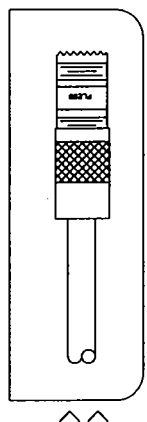
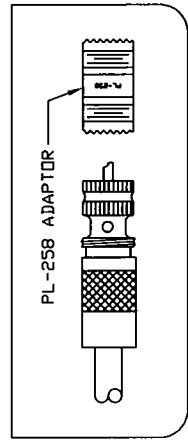
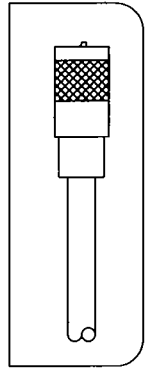
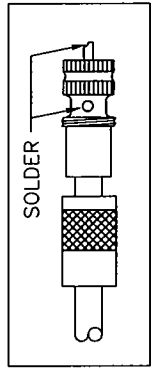
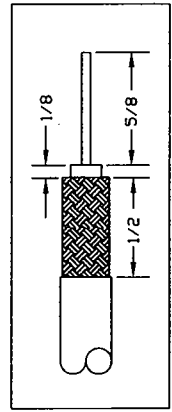
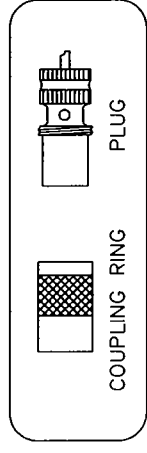
REV.	DESCRIPTION	DATE	APP.
A	ECR 3245 RELEASED DRAWING	11-17-99	BK M.V.

REVISIONS	
REV.	DESCRIPTION
A	ECR 3245 RELEASED DRAWING

**NOTES:**

1. CHECK CABLE TYPE, LENGTH AND TRIM FOR CORRECTNESS.
2. TWIST/SCREW THE CONNECTOR PLUG ON TO THE CABLE SO THE BRAID IS VISIBLE THROUGH THE PLUG HOLES.
3. SOLDER THE BRAID TO THE CONNECTOR PLUG THROUGH THE HOLES. FILL THE PLUG SHAFT WITH SOLDER.
4. HY-POT TEST THE ASSEMBLY FOR SHORTS (SEE 090370-000). SCREW THE COUPLING RING TO THE PLUG ONCE THE SOLDERING IS COMPLETE.
5. IF NEEDED, INSTALL AN ADAPTER AND/OR A T-ADAPTER ONTO THE PL-259 CONNECTOR, PL-258 ADAPTER SHOWN. THE T-ADAPTER IS ATTACHED DIRECTLY TO UHF OR THE PL-258 ADAPTER. IF THE ASSEMBLY REQUIRES A T-ADAPTER A PL-258 ADAPTER MUST BE USED BETWEEN THE 'T' AND THE UHF.
6. PLACE THE ADAPTER ONTO THE PLUG AND SCREW THE CONNECTOR COUPLING RING ON THE ADAPTER, THEN TIGHTEN.
7. SEE 090222-000 FOR SHRINK TUBE INSTALLATION.

**PL-259**



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO BE INTERPRETED AS PER ASME Y14.5M-1994		FINISH: N/A	
FRACTION: ± 1/32	DECIMAL: .005	DRAWN BY: B.K.	DATE: 11-17-99
ANGLE: ± .5°		CHKD.: J.E.	DATE: 11-18-99
		ELEC. ENG.: M.W.	DATE: 11-22-99
		MECH. ENG.: A.P.	DATE: 11-22-99
		MFG. ENG.: M.W.	DATE: 11-22-99
		RELEASED: P.P.	DATE: 11-22-99
SEE WHERE USED			
NEXT ASSEMBLY			
REMOVE ALL BURRS AND SHARP EDGES. PART SHALL CONFORM TO DB STANDARD PRACTICES.			
MATERIAL: N/A		DECIBEL PRODUCTS	
DRAWN BY: B.K.		8635 STEMMONS FRWY.	
CHKD.: J.E.		DALLAS, TEXAS 75356-9610	
ELEC. ENG.: M.W.		TITLE: UHF INSTALLATION	
MECH. ENG.: A.P.		DRAWING No. 090484-000	
MFG. ENG.: M.W.		SIZE A	
RELEASED: P.P.		REV. A	
		DO NOT SCALE DRAWING	
		SHEET 1 OF 1	

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