

**DIAL SELECTIVE INTERCOMMUNICATING LINES
 WITH FLASHING LINE LAMPS
 AND/OR
 AUTOMATIC CUT-OFF
 TERMINATIONS IN APPARATUS CABINET**

1. GENERAL

- 1.01 This section covers the connections required at the apparatus cabinet for dial selective intercommunicating lines equipped with flashing line lamps and/or automatic cut-off. This includes strapping between key telephone units, terminating of wires from power source, and terminating key or running cables from key telephone stations.
- 1.02 This section is reissued to include information on the 207B key telephone unit.
- 1.03 Connection information for dial selective intercommunicating lines without either flashing line lamps or automatic cut-off is shown in Section C66.208.
- 1.04 An index listing the various types of wiring and the table numbers is shown below and on pages 2 and 3 of this section. Cross references to Section C66.208 are indicated by table numbers in the index.
- 1.05 Due to extensive changes, marginal arrows have been omitted.

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		Flashing Line	All	All	9.15	17	
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POWER WIRING

POWER					TABLE NO.★	PAGE NO.✖	
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		Sta. Buzzers		8.03	3		
		Trans.		9.08	11		
		Flashing Line Lamps		9.06	10		
	Generator	101G Power Plant or Static Ringing Generator	CO, PBX, Bldg, or Local Battery	Fuse Unit	Busy Lamps	9.07	11
					Relays★★	9.08	11
Generator	101G Power Plant or Static Ringing Generator	CO, PBX, or Bldg Generator	Ringling Lamp Unit	Sta. Bells	8.05	4	
			Ringling Lamp Unit	Sta. Bells	8.05	4	

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POWER WIRING (Continued)

POWER					TABLE NO. ★	PAGE NO. ✕
FUR-NISHED	TYPE □	SOURCE	CONNECTED FROM	FOR		
Direct To Line or Control Units	Battery	101G Power Plant, Transformer, or Static Ringing Generator	CO or PBX Line Unit	Trans.	9.11	13
				Flashing Line Lamps	9.09	12
				Busy Lamps	9.10	12
			Incoming Power From Source	Relays ✕✕	8.10	8
				Relays ◆◆	9.11	13
				Sta. Buzzers □□	8.10	8
		CO or PBX Line Unit	Sta. Buzzers ■■	8.06	5	
			Aud. Sig. Control Unit	Sta. Buzzers ††	8.07	5
		CO, PBX, Bldg, or Local Battery	CO or PBX Line Unit	Trans.	9.11	13
				Flashing Line Lamps	9.09	12
				Busy Lamps	9.10	12
			Incoming Power From Source	Relays ✕✕	8.09	7
	Relays ◆◆			9.11	13	
	Sta. Buzzers □□			8.09	7	
	CO or PBX Line Unit	Sta. Buzzers ■■	8.06	5		
		Aud. Sig. Control Unit	Sta. Buzzers ††	8.07	5	
	Generator	101G Power Plant or Static Ringing Generator	101G Power Plant or Static Ringing Generator	Sta. Bells □□	8.10	8
			CO or PBX Line Unit	Sta. Bells ■■	8.06	5
Aud. Sig. Control Unit			Sta. Bells ††	8.07	5	

Notes: ★ Table numbers beginning with the numeral 8 are filed in Section C66.208.

✕ Page numbers corresponding to table numbers beginning with the numeral 8 refer to numbering within Section C66.208.

■ Select either Table 9.02 or 9.03, depending upon whether 209A or 212A K.T.U. is used for lamp flashing and time-out unit.

** Select either Table 9.04 or 9.05, when flashing line lamps and/or automatic cut-off features are being provided.

◆ Provide only when four or more key or running cables are to be connected in apparatus cabinet.

□ The term "Battery" as used in this column is defined as low voltage ac or dc current.

★★ Utilizing "B" and "C" relay supply.

✕✕ Utilizing "B" relay supply.

◆◆ Utilizing "C" relay supply.

□□ Select when the type of power or voltage used for the dial selective intercommunicating line unit (207 TYPE) is different from that used for the audible signal control unit or from that used for the common ringer operated directly by the CO or PBX line unit.

■■ Select when the same type of power and voltage is used for the dial selective intercommunicating line unit (207 TYPE) and the common ringer operated directly by the CO or PBX line unit.

†† Select when the same type of power and voltage is used for the dial selective intercommunicating line unit (207 TYPE) and the audible signal control unit.

TABLE 9.01

**CONNECTIONS BETWEEN TWO OR MORE DIAL SELECTIVE
INTERCOMMUNICATING LINE UNITS (207A OR 207B)**

DIAL SEL. INTERCOM LINE	LEAD DESIG.	1st K.T.U.		SUCCEEDING K.T.U.'s	
		207B	207A	207B	207A
STA. NO.		TERM.	TERM.	TERM.	TERM.
Run All Straps as Shown Below Whenever Two or More 207 TYPE K.T.U. Are Used:					
		T.S. B	TERM.	T.S. B	TERM.
FOR ALL STATIONS	STA RING GRD	40	24	40	24
	STA RING POWER	39	25	39	25
	LAMP BAT	29	28	29	28
	LAMP GRD	30	29	30	29
	TRANS GRD "A"	10	34	10	34
	TRANS BAT "A"	9	35	9	35
	RELAY GRD "B"	20	36	20	36
	RELAY BAT "B"	19	37	19	37
Run Specific Strap as Shown Below for Each Station That Utilizes a Station Ringer Com- mon to Two or More Dial Selective Intercommunicating Lines:					
		T.S. A	TERM.	T.S. A	TERM.
2	R	12	15	12	15
3	R	13	16	13	16
4	R	14	17	14	17
5	R	15	18	15	18
6	R	16	19	16	19
7	R	17	20	17	20
8	R	18	21	18	21
9	R	19	22	19	22
0	R	20	23	20	23

Reference: SD-69199-01, Figs. 52 and 54

TABLE 9.02

CONNECTIONS BETWEEN SYSTEM FLASHING AND TIMING-OUT CIRCUIT UNIT (209A) AND SIGNAL CIRCUIT UNIT FOR FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A)

Run Straps as Shown Below for Common Strapping*

TYPE OF STRAPPING	LEAD DESIG.	209A K.T.U. TERM. STRIP "A" TERM.	ALL 208A K.T.U. TERM.
COMMON	TO	13	25

Run Straps as Shown Below for Line Strapping*

LINE NO. IN SYS.	LEAD DESIG.	209A K.T.U. TERM. STRIP "A" TERM.	ALL 208A K.T.U. ASSO-CIATED WITH EACH SPECIFIC DIAL SEL. INTERCOM LINE TERM.
1	LF	21	26
	LB	22	27
2	LF	23	26
	LB	24	27
3	LF	25	26
	LB	26	27
4	LF	27	26
	LB	28	27
5	LF	29	26
	LB	30	27
6	LF	19	26
	LB	20	27

Notes: ★ The term "Common Strapping" denotes the strapping which must be run between the dial selective intercommunicating signal circuit for flashing line lamp and automatic cut-off control unit (208A) and system line flashing and time-out unit (209A and 212A), regardless of the system line number, or numbers, assigned to dial selective intercommunicating lines.

✱ The term "Line Strapping" denotes the specific individual strapping which must be run for each line between the dial selective intercommunicating signal circuit for flashing line lamp and automatic cut-off control unit (208A) and system line flashing and time-out unit (209A and 212A). If a dial selective intercommunicating line is to be the first line in the system, the connections opposite "Line No. 1" should be used; if the tie or station line is to be the second line in the system, the connections opposite "Line No. 2" should be used, etc.

Reference: SD-69199-01, Fig. 53
SD-69203-01, Fig. 56

TABLE 9.03

CONNECTIONS BETWEEN COMBINED SYSTEM FLASHING AND TIMING-OUT CIRCUIT AND CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE CIRCUIT UNIT (212A) AND SIGNAL CIRCUIT UNIT FOR FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A)

Run Straps as Shown Below for Common Strapping*

TYPE OF STRAPPING	LEAD DESIG.	212A K.T.U. TERM. STRIP "A" TERM.★	ALL 208A K.T.U. TERM.
COMMON	TO	17	25

Run Straps as Shown Below for Line Strapping♦

LINE NO. IN SYS.	LEAD DESIG.	212A K.T.U. TERM. STRIP "B" TERM.★	ALL 208A K.T.U. ASSOCIATED WITH EACH SPECIFIC DIAL SEL. INTERCOM LINE TERM.
4	LF	17	26
	LB	18	27
5	LF	27	26
	LB	28	27
6	LF	37	26
	LB	38	27

Notes: ✘ The term "Common Strapping" denotes the strapping which must be run between the dial selective intercommunicating signal circuit for flashing line lamp and automatic cut-off control unit (208A) and system line flashing and time-out unit (209A and 212A), regardless of the system line number, or numbers, assigned to dial selective intercommunicating lines.

★ When using 212A as system lamp flashing and incoming signal time-out circuit, dial selective intercommunicating lines can be connected only as fourth, fifth, or sixth lines.

♦ The term "Line Strapping" denotes the specific individual strapping which must be run for each line between the dial selective intercommunicating signal circuit for flashing line lamp and automatic cut-off control unit (208A) and system line flashing and time-out unit (209A and 212A). If a dial selective intercommunicating line is to be the first line in the system, the connections opposite "Line No. 1" should be used; if the tie or station line is to be the second line in the system, the connections opposite "Line No. 2" should be used, etc.

Reference: SD-69199-01, Fig. 53
SD-69203-01, Fig. 67

TABLE 9.04

CONNECTIONS BETWEEN DIAL SELECTIVE INTERCOMMUNICATING LINE UNIT (207 TYPE) AND SIGNAL CIRCUIT UNIT FOR FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A) AND AUTOMATIC CUT-OFF UNIT (26B)

Select Subtable for Feature(s) Being Provided as Shown in the Index Below:

TYPE OF STRAPPING	FEATURES PROVIDED		CONNECTIONS SHOWN ON SUBTABLE
	FLASHING LINE LAMP	AUTOMATIC CUT-OFF	
COMMON♦	√		α, b, and c
		√	α and d
	√	√	α, c, and d
INDIVIDUAL STA.□	√		e
		√	e and f
	√	√	e and f

9.04α ♦

Run Straps as Shown Below:

LEAD DESIG.	K.T.U.		ALL 208A K.T.U. TERM.	LEAD DESIG.	1ST 208A K.T.U. TERM.	ALL SUCCEEDING 208A K.T.U. TERM.
	207B	207A				
	T.S. B	TERM.				
R	2	2	13	LF	26	26
T	1	1	12	LAMP POWER	28	28
H	26	3	14	LAMP GRD	29	29
A	23	4	17			

9.04b ♦

Run Straps Between Terminals on Each K.T.U. as Shown Below:

LEAD DESIG.	208A K.T.U.	
	TERM.	TERM.
"F" WIRING (Used in lieu of automatic cut-off)	22 _____	36
	23 _____	36
	24 _____	36

9.04c ♦

Run Straps as Shown Below:

LEAD DESIG.	K.T.U.		ALL SUCCEEDING 208A K.T.U. TERM.	LEAD DESIG.	K.T.U. 207B T.S. B	K.T.U. 207A TERM.	1ST 208A K.T.U. TERM.
	207B	207A					
	T.S. B	TERM.					
D	3	26	15	B	29	27	16

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TABLE 9.04
(Continued)

9.04d ◆

Run Straps as Shown Below:

LEAD DESIG.	ALL 208A K.T.U. ✕ TERM.	26B K.T.U. TERM.	LEAD DESIG.	1ST 208A K.T.U. TERM.	26B K.T.U. TERM.
CO	21	13	"C" BAT	37	3, 4, 5, and 6

Note: ✕ Loop straps between each 208A K.T.U. and from last 208A K.T.U. to 26B K.T.U.

9.04e □

Run Straps as Shown Below:

STA. NO.	LEAD DESIG.	K.T.U. 207B	K.T.U. 207A	1ST 208A K.T.U. TERM.
		T.S.A	TERM.	
2	C	2	5	18
3	C	3	6	19
4	C	4	7	20
				2nd 208A K.T.U. TERM.
5	C	5	8	18
6	C	6	9	19
7	C	7	10	20
				3rd 208A K.T.U. TERM.
8	C	8	11	18
9	C	9	12	19
0	C	10	13	20

9.04f □

Run Straps as Shown Below:

STA. NO.	LEAD DESIG.	1ST 208A K.T.U. TERM.	26B K.T.U. TERM.
2	E	22	12
3	E	23	11
4	E	24	10
		2nd 208A K.T.U. TERM.	
5	E	22	9
6	E	23	8
7	E	24	2
		3rd 208A K.T.U. TERM.	
8	E	22	14
9	E	23	15
0	E	24	16

Notes: ◆ The term "Common Strapping" denotes the strapping which must be run between the dial selective intercommunicating line unit (207 TYPE), and flashing line lamp and automatic cut-off control unit (208A), and station cut-off unit (26B), regardless of the number of stations provided.

□ The term "Station Strapping" denotes the individual strapping which must be run for each station between the dial selective intercommunicating line unit (207 TYPE), and the flashing line lamp and automatic cut-off control unit (208A), and where specified, the station cut-off unit (26B).

Reference: SD-69199-01, Fig. 13
SD-69199-01, Fig. 52
SD-69199-01, Fig. 53
SD-69199-01, Fig. 54

TABLE 9.05

CONNECTIONS BETWEEN DIAL SELECTIVE INTERCOMMUNICATING LINE UNIT (207 TYPE) AND SIGNAL CIRCUIT UNIT FOR FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A) AND AUTOMATIC CUT-OFF UNIT (26B)

Select Subtable for Feature Being Added as Shown in the Index Below:

TYPE OF STRAPPING	FEATURE ADDED		CONNECTIONS SHOWN ON SUBTABLE
	FLASHING LINE LAMP	AUTOMATIC CUT-OFF	
COMMON ◆	√		b
		√	α and c
INDIVIDUAL STA. □	√		NONE REQUIRED
		√	d

9.05a ◆

Remove Straps Between Terminals on Each K.T.U. as Shown Below:

LEAD DESIG.	208A K.T.U.	
	TERM.	TERM.
"F" WIRING (Used in lieu of automatic cut-off)	22 _____	36
	23 _____	36
	24 _____	36

9.05b ◆

Run Straps Between K.T.U. as Shown Below:

LEAD DESIG.	K.T.U. 207B	K.T.U. 207A	ALL SUCCEEDING 208A K.T.U. TERM.	LEAD DESIG.	K.T.U. 207B	K.T.U. 207A	1ST 208A K.T.U. TERM.
	T.S. B	TERM.			T.S. B	TERM.	
D	3	26	15	B	29	27	16

9.05c ◆

LEAD DESIG.	ALL 208A K.T.U. *	26B K.T.U. TERM.	LEAD DESIG.	1ST 208A K.T.U. TERM.	26B K.T.U. TERM.
	TERM.	TERM.		TERM.	TERM.
CO	21	13	"C" BAT	37	3, 4, 5, and 6

Notes: * Loop straps between each 208A K.T.U. and from last 208A K.T.U. to 26B K.T.U.

- ◆ The term "Common Strapping" denotes the strapping which must be run between the dial selective intercommunicating line unit (207 TYPE), and flashing line lamp and automatic cut-off control unit (208A), and station cut-off unit (26B), regardless of the number of stations provided.
- The term "Station Strapping" denotes the individual strapping which must be run for each station between the dial selective intercommunicating line unit (207 TYPE), and the flashing line lamp and automatic cut-off control unit (208A), and where specified, the station cut-off unit (26B).

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TABLE 9.05
(Continued)

9.05d

Run Straps as Shown Below:

STA. NO.	LEAD DESIG.	IST 208A K.T.U. TERM.	26B K.T.U. TERM.
2	E	22	12
3	E	23	11
4	E	24	10
		2nd 208A K.T.U. TERM.	
5	E	22	9
6	E	23	8
7	E	24	2
		3rd 208A K.T.U. TERM.	
8	E	22	14
9	E	23	15
0	E	24	16

Reference: SD-69199-01, Fig. 13
SD-69199-01, Fig. 52
SD-69199-01, Fig. 53
SD-69199-01, Fig. 54

TABLE 9.06

**POWER CONNECTIONS BETWEEN SIGNAL CIRCUIT UNIT FOR
FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF
DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A)
AND CIRCUIT FUSE UNIT (201A), FOR FLASHING LINE LAMPS**

Run Straps as Shown Below:

LEAD DESIG.	IST 208A K.T.U. TERM.	CKT. 201A K.T.U. TERM.
LAMP POWER	28	14
LAMP GRD	29	20

Reference: SD-69199-01, Fig. 53
SD-69203-01, Fig. 66

POWER CONNECTIONS BETWEEN DIAL SELECTIVE INTER-COMMUNICATING LINE UNIT (207 TYPE) AND CIRCUIT FUSE UNIT (201A), FOR BUSY LAMPS

TABLE 9.07

Run Straps as Shown Below:

LEAD DESIG.	207B K.T.U.	207A K.T.U.	CKT. FUSE 201A K.T.U. TERM.
	T.S. B	TERM.	
LAMP POWER	29	28	14
LAMP GRD	30	29	20

Reference: SD-69199-01, Fig. 52
SD-69199-01, Fig. 54
SD-69203-01, Fig. 66

POWER CONNECTIONS BETWEEN DIAL SELECTIVE INTER-COMMUNICATING LINE UNIT (207 TYPE) AND CIRCUIT FUSE UNIT (201A); AND SIGNAL CIRCUIT UNIT FOR FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A) AND CIRCUIT FUSE UNIT (201A), FOR TRANSMITTER AND "B" AND "C" RELAY POWER SUPPLY

TABLE 9.08

Run Straps as Shown Below:

LEAD DESIG.	TYPE OF K.T.U. USED		CKT. FUSE 201A K.T.U. TERM.
	207B T.S. B	207A TERM.	
LAMP POWER	29	28	14
LAMP GRD	30	29	20
TRANS GRD	10	34	15
TRANS BAT	9	35	2
RELAY GRD "B" *	20	36	18
RELAY BAT "B" *	19	37	8
	208A K.T.U. TERM.		
RELAY GRD "C" ✕	38		17
RELAY BAT "C" ✕	39		6

Notes: * "B" relay supply is used for 207 TYPE K.T.U.

✕ "C" relay supply is used for 208A K.T.U. "C" battery and ground leads of dial selective intercommunicating line circuits, shown on SD-69199-01, with the exception of lamp supply, are the same as "D" battery shown on SD-69203-01. These leads are connected to the "D" relay supply terminals on the circuit fuse 201A K.T.U.

Reference: SD-69199-01, Fig. 52
SD-69199-01, Fig. 53
SD-69199-01, Fig. 54
SD-69203-01, Fig. 66

TABLE 9.09

POWER CONNECTIONS BETWEEN CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202A, 202B, OR 212A) AND SIGNAL CIRCUIT UNIT FOR FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A), FOR FLASHING LINE LAMPS

Select the One Subtable Applicable to Installation and Run Straps as Shown Below:

SUBTABLE	LEAD DESIG.	K.T.U. USED AS CO OR PBX LINE UNIT	1ST 208A K.T.U. TERM.
α	LAMP POWER LAMP GRD	1st or 2nd 202A K.T.U. TERM. 31 30	28 29
b	LAMP POWER LAMP GRD	1st or 2nd 202B K.T.U. TERM. 39 40	28 29
c	LAMP POWER LAMP GRD	212A K.T.U. TERM. STRIP "A" TERM. 39 40	28 29

Reference: SD-69199-01, Fig. 53
SD-69203-01, Fig. 51
SD-69203-01, Figs. 67 and 68

TABLE 9.10

POWER CONNECTIONS BETWEEN CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202A, 202B, OR 212A) AND SIGNAL CIRCUIT UNIT FOR FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A), FOR BUSY LAMPS

Select the One Subtable Applicable to Installation and Run Straps as Shown Below:

SUBTABLE	LEAD DESIG.	K.T.U. USED AS CO OR PBX LINE UNIT	208A K.T.U. TERM.
α	LAMP POWER LAMP GRD	1st or 2nd 202A K.T.U. TERM. 31 30	28 29
b	LAMP POWER LAMP GRD	1st or 2nd 202B K.T.U. TERM. 39 40	28 29
c	LAMP POWER LAMP GRD	212A K.T.U. TERM. STRIP "A" TERM. 39 40	28 29

Reference: SD-69199-01, Fig. 53
SD-69203-01, Fig. 51
SD-69203-01, Figs. 67 and 68

TABLE 9.11

POWER CONNECTIONS BETWEEN CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE LINE UNIT (202A, 202B, OR 212A) AND DIAL SELECTIVE INTERCOMMUNICATING LINE UNIT (207 TYPE) AND CONNECTIONS BETWEEN DIAL SELECTIVE INTERCOMMUNICATING LINE UNIT (207 TYPE) AND SIGNAL CIRCUIT UNIT FOR FLASHING LINE LAMPS AND FOR AUTOMATIC CUT-OFF OF DIAL SELECTIVE INTERCOMMUNICATING STATIONS (208A), FOR TRANSMITTER POWER SUPPLY AND "C" RELAY POWER SUPPLY

Select the One Subtable Applicable to Installation and Make Connections as Shown Below:

SUBTABLE	LEAD DESIG.	K.T.U. USED AS CO OR PBX LINE UNIT	K.T.U.		
			207B T.S. B	207A TERM.	208A TERM.
a	TRANS BAT TRANS GRD	1st or 2nd 202A K.T.U. TERM.			
		38 40	9 10	35 34	
b	RELAY BAT "C" * RELAY GRD "C" *		32 33	39 38	39 40
		1st or 2nd 202B K.T.U. TERM.			
c	TRANS BAT TRANS GRD	29 30	9 10	35 34	
		212A K.T.U. TERM. STRIP "A" TERM.			
c	RELAY BAT "C" * RELAY GRD "C" *		32 33	39 38	39 40

Note: * "C" relay supply utilized for 208A K.T.U.

Reference: SD-69199-01, Fig. 52
SD-69199-01, Figs. 53 and 54
SD-69203-01, Fig. 51
SD-69203-01, Figs. 67 and 68

**KEY CABLE TO KEY TELEPHONE UNITS FOR ALL 1A1 SYSTEM
KEY TELEPHONE SETS EXCEPT 565A SETS**

- (A) To Determine Key Cable Pair, Select Horizontal Block (under KEY CABLE) with Same Number as Line Number in Key Telephone Set to Which Dial Selective Intercom Circuit Will Be Connected:
 (B) To Determine Terminals, Select Horizontal Block (under KEY TELEPHONE UNIT) with Same Number as Station Number Being Installed:
 (C) Connect Cable Pair (Selected in A) to Terminals (Selected in B):

KEY CABLE				
LINE NO. IN KEY TEL. SET	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	R T	1	BL W	BL W
	A1 A	2	O W	O W
2	R T	3	G W	G W
	A1 A	4	BR W	BR W
3	R T	5	S W	S W
	A1 A	6	BL-W W	BL R
4	R T	7	BL-O W	O R
	A1 A	8	BL-G W	G R
5	R T	9	BL-BR W	BR R
	A1 A	10	BL-S W	S R

KEY TELEPHONE UNIT		
DIAL SEL. INTERCOM LINE STA. NO.	LEAD DESIG.	208A K.T.U.
2	R T	1st 208A TERM. 2
	A1 A	1 4 3
	R T	7 6
3	A1 A	4 8
	R T	10 9
4	A1 A	5 11
	R T	2nd 208A TERM. 2
5	A1 A	1 4 3
	R T	7 6
6	A1 A	4 8
	R T	10 9
7	A1 A	5 11
	R T	3rd 208A TERM. 2
8	A1 A	1 4 3
	R T	7 6
9	A1 A	4 8
	R T	10 9
0	A1 A	5 11

Reference: SD-69199-01, Fig. 53

KEY CABLE TO KEY TELEPHONE UNITS FOR 565A KEY TELEPHONE SETS

TABLE 9.13

- (A) To Determine Key Cable Pair, Select Horizontal Block (under KEY CABLE) with Same Number as Line Number in Key Telephone Set to Which Dial Selective Intercom Circuit Will Be Connected:
- (B) To Determine Terminals, Select Horizontal Block (under KEY TELEPHONE UNIT) with Same Number as Station Number Being Installed:
- (C) Connect Cable Pair (Selected in A) to Terminals (Selected in B):

KEY CABLE				
LINE NO. IN KEY TEL. SET	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	R T	1	BL W	BL W
	A1 A	2	O W	O W
2	R T	3	G W	G W
	A1 A	T4	— W (BR)	— W (BR)
3	R T	5	S W	S W
	A1 A	T6	— W (BL-W)	— R (BL)
4	R T	7	BL-O W	O R
	A1 A	T8	— W (BL-G)	— R (G)
5	R T	9	BL-BR W	BR R
	A1 A	T10	— W (BL-S)	— R (S)
6	R T	22	O R	O V
	A1 A	T23	— R (G)	— V (G)

KEY TELEPHONE UNIT		
DIAL SEL. INTERCOM LINE	LEAD DESIG.	208A K.T.U.
STA. NO.		
2	R T	1st 208A TERM. 2 1
	A1 A	4 3
	R T	7 6
3	A1 A	4 8
	R T	10 9
4	A1 A	5 11
	2nd 208A TERM.	
5	R T	2 1
	A1 A	4 3
6	R T	7 6
	A1 A	4 8
7	R T	10 9
	A1 A	5 11
8	3rd 208A TERM.	
	R T	2 1
	A1 A	4 3
9	R T	7 6
	A1 A	4 8
0	R T	10 9
	A1 A	5 11

Reference: SD-69199-01, Fig. 53

TABLE 9.14

**KEY CABLE TO KEY TELEPHONE UNITS FOR ALL 1A1 SYSTEM
KEY TELEPHONE SETS—FOR BUSY LAMPS**

When Only Three Key or Running Cables Are to Be Terminated in Apparatus Cabinet, Connect Cable Pairs to 207A K.T.U.

When More Than Three Key or Running Cables Are to Be Terminated in Apparatus Cabinet, Connect Cable Pairs to 207A K.T.U. and 201A K.T.U.

Up to Six Key or Running Cables May be Connected to 207B K.T.U.

KEY CABLE					KEY TELEPHONE UNIT					
LINE NO. IN KEY TEL. SET	LEAD DESIG.	PAIR NO.	"C" Inside Wiring	"D" Inside Wiring	Make Connec- tions	LINE NO. IN SYS.	LEAD DESIG.	207B K.T.U. T.S. B	207A K.T.U. TERM.	★ ASSOCIATED 201A K.T.U. TERM.
			CONDUCTOR COLOR							
1	L	16	G-BR	BL	to	1	L	3	30	7, 8, 9, or 10
	LG		W	Y			4	32	17, 18, 19, or 20	
2	L	17	G-S	O	to	2	L	3	30	7, 8, 9, or 10
	LG		W	Y			4	32	17, 18, 19, or 20	
3	L	18	BR-W	G	to	3	L	3	30	7, 8, 9, or 10
	LG		W	Y			4	32	17, 18, 19, or 20	
4	L	19	BR-S	BR	to	4	L	13	31	7, 8, 9, or 10
	LG		W	Y			14	33	17, 18, 19, or 20	
5	L	20	S-W	S	to	5	L	13	31	7, 8, 9, or 10
	LG		W	Y			14	33	17, 18, 19, or 20	
6*	L	15	G-W	S	to	6	L	13	31	7, 8, 9, or 10
	LG		W	BK			14	33	17, 18, 19, or 20	

Note: ✕ For use with 565A Key Telephone Sets only.

★ Not needed with 207B K.T.U.

Reference: SD-69199-01, Fig. 52

**KEY CABLE TO KEY TELEPHONE UNITS FOR ALL 1A1 SYSTEM
KEY TELEPHONE SETS — FOR FLASHING LINE LAMPS**

TABLE 9.15

- (A) To Determine Key Cable Pair, Select Horizontal Block (under **KEY CABLE**) with Same Number as Line Number in Key Telephone Set to Which Dial Selective Intercom Circuit Will Be Connected:
- (B) To Determine Terminals, Select Horizontal Block (under **KEY TELEPHONE UNIT**) with Same Number as Station Number Being Installed:
- (C) Connect Cable Pair (Selected in A) to Terminals (Selected in B):

KEY CABLE				
LINE NO. IN KEY TEL. SET	LEAD DESIG.	PAIR NO.	"C" Inside Wiring	"D" Inside Wiring
			CONDUCTOR COLOR	
1	L LG	16	G-BR W	BL Y
2	L LG	17	G-S W	O Y
3	L LG	18	BR-W W	G Y
4	L LG	19	BR-S W	BR Y
5	L LG	20	S-W W	S Y
6*	L LG	15	G-W W	S BK

KEY TELEPHONE UNIT		
DIAL SEL. INTERCOM LINE	LEAD DESIG.	208A K.T.U.
STA. NO.		
		1st 208A TERM.
2	L LG	33 30
3	L LG	34 31
4	L LG	35 32
		2nd 208A TERM.
5	L LG	33 30
6	L LG	34 31
7	L LG	35 32
		3rd 208A TERM.
8	L LG	33 30
9	L LG	34 31
0	L LG	35 32

Note: * For use with 565A Key Telephone Sets only.

Reference: SD-69199-01, Fig. 53

TABLE 9.16

**RUNNING CABLE TO KEY TELEPHONE UNITS FOR ALL 1A1
SYSTEM KEY TELEPHONE SETS — STATION TWO**

LINE NO. IN SYSTEM	STA. NO.	LEAD DESIG.	RUNNING CABLE		1ST 208A K.T.U. TERM.	
			PAIR NO.	"C" INSIDE WIRING		"D" INSIDE WIRING
				CONDUCTOR COLOR		
1	2	R T	1	BL W	BL W	2 1
		A1 A	2	O W	O W	4 3
2		R T	3	G W	G W	2 1
		A1 A	4	BR W	BR W	4 3
3		R T	5	S W	S W	2 1
		A1 A	6	BL-W W	BL R	4 3
4		R T	7	BL-O W	O R	2 1
		A1 A	8	BL-G W	G R	4 3
5		R T	9	BL-BR W	BR R	2 1
		A1 A	10	BL-S W	S R	4 3
6	R T	22	O R	O V	2 1	
	A1 A	23	G R	G V	4 3	

Reference: SD-69199-01, Fig. 53

**RUNNING CABLE TO KEY TELEPHONE UNITS FOR SYSTEMS
USING ONLY 565A KEY TELEPHONE SETS — STATION TWO**
TABLE 9.17

LINE NO. IN SYSTEM	STA. NO.	LEAD DESIG.	RUNNING CABLE		1ST 208A K.T.U. TERM.	
			PAIR NO.	"C" INSIDE WIRING		"D" INSIDE WIRING
				CONDUCTOR COLOR		
1	2	R T	1	BL W	BL W	2 1
		A1 A	2	O W	O W	4 3
2		R T	3	G W	G W	2 1
		A1 A	— T4	— W (BR)	— W (BR)	4 3
3		R T	5	S W	S W	2 1
		A1 A	— T6	— W (BL-W)	— R (BL)	4 3
4		R T	7	BL-O W	O R	2 1
		A1 A	— T8	— W (BL-G)	— R (G)	4 3
5		R T	9	BL-BR W	BR R	2 1
		A1 A	— T10	— W (BL-S)	— R (S)	4 3
6	R T	22	O R	O V	2 1	
	A1 A	— T23	— R (G)	— V (G)	4 3	

Reference: SD-69199-01, Fig. 53

TABLE 9.18

**RUNNING CABLE TO KEY TELEPHONE UNITS FOR ALL 1A1
SYSTEM KEY TELEPHONE SETS—STATIONS THREE THROUGH
ZERO**

STA. NO.	LEAD DESIG.	RUNNING CABLE			208A K.T.U.
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
3	R T	27	BL-O R	O-W W	1st 208A TERM. 7 6
	A1 A	28	BL-G R	G-W W	4 8
4	R T	29	BL-BR R	BR-W W	10 9
	A1 A	30	BL-S R	S-W W	5 11
5	R T	31	O-W R	BL-W R	2nd 208A TERM. 2 1
	A1 A	32	O-G R	O-W R	4 3
6	R T	33	O-BR R	G-W R	7 6
	A1 A	34	O-S R	BR-W R	4 8
7	R T	35	G-W R	S-W R	10 9
	A1 A	36	G-BR R	BL-W BK	5 11
8	R T	37	G-S R	O-W BK	3rd 208A TERM. 2 1
	A1 A	38	BR-W R	G-W BK	4 3
9	R T	39	BR-S R	BR-W BK	7 6
	A1 A	40	S-W R	S-W BK	4 8
0	R T	41	BL BK	BL-W Y	10 9
	A1 A	42	O BK	O-W Y	5 11

Reference: SD-69199-01, Fig. 53

**RUNNING CABLE TO KEY TELEPHONE UNITS FOR ALL 1A1
SYSTEM KEY TELEPHONE SETS—FOR BUSY LAMPS**

TABLE 9.19

When Only Three Key or Running Cables Are to Be Terminated in Apparatus Cabinet, Connect Cable Pairs to 207A K.T.U.

When More Than Three Key or Running Cables Are to Be Terminated in Apparatus Cabinet, Connect Cable Pairs to 207A K.T.U. and 201A K.T.U.

Up to Six Key or Running Cables May be Connected to 207B K.T.U.

LINE NO. IN SYS.	LEAD DESIG.	RUNNING CABLE			207B K.T.U. T.S. B	207A K.T.U. TERM	★ ASSOCIATED 201A K.T.U. TERM.
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING			
			CONDUCTOR COLOR				
1	L	16	G-BR	BL	3	30	7, 8, 9, or 10
	LG		W	Y	4	32	17, 18, 19, or 20
2	L	17	G-S	O	3	30	7, 8, 9, or 10
	LG		W	Y	4	32	17, 18, 19, or 20
3	L	18	BR-W	G	3	30	7, 8, 9, or 10
	LG		W	Y	4	32	17, 18, 19, or 20
4	L	19	BR-S	BR	13	31	7, 8, 9, or 10
	LG		W	Y	14	33	17, 18, 19, or 20
5	L	20	S-W	S	13	31	7, 8, 9, or 10
	LG		W	Y	14	33	17, 18, 19, or 20
6	L	24	BR	BR	13	31	7, 8, 9, or 10
	LG		R	V	14	33	17, 18, 19, or 20

★ Not needed with 207B K.T.U.

Reference: SD-69199-01, Fig. 52

TABLE 9.20

**RUNNING CABLE TO KEY TELEPHONE UNITS FOR ALL 1A1
SYSTEM KEY TELEPHONE SETS — STATIONS TWO THROUGH
ZERO**

LINE NO. IN SYSTEM	STA. NO.	LEAD DESIG.	RUNNING CABLE			208A K.T.U.																								
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING																									
				CONDUCTOR COLOR																										
1	2	L LG	16	G-BR W	BL Y	1st 208A TERM. 33 30																								
							L LG	17	G-S W	O Y	33 30																			
												L LG	18	BR-W W	G Y	33 30														
																	L LG	19	BR-S W	BR Y	33 30									
																						L LG	20	S-W W	S Y	33 30				
																											L LG	24	BR R	BR V
3	L LG	43	G BK	G-W Y	34 31																									
						4	L LG	44	BR BK	BR-W Y	35 32																			
ANY		L LG	45	S BK	S-W Y							2nd 208A TERM. 33 30																		
						6	L LG	46	BL-W BK	BL-W V	34 31																			
													7	L LG	47	BL-O BK	O-W V	35 32												
																			8	L LG	48	BL-G BK	G-W V	3rd 208A TERM. 33 30						
																									9	L LG	49	BL-BR BK	BR-W V	34 31

Reference: SD-69199-01, Fig. 53