

**AUTOMATIC CUT-OFF FEATURES FOR CENTRAL OFFICE,
PRIVATE BRANCH EXCHANGE, TIE, AND STATION LINES
29A AND 26B KEY TELEPHONE UNITS
TERMINATIONS IN APPARATUS CABINET**

1. GENERAL

1.01 This section covers the connections required to provide automatic cut-off of stations on central office, private branch exchange, tie, and station lines. This includes strapping between key telephone units, terminating of wires from power source, and terminating of key or running cable connections from key telephone stations.

1.02 An index listing the various types of wiring and the table numbers is shown on page 2 of this section. Connections are shown on individual tables numbered 11.01 through 11.08.

2. CABLE ASSIGNMENTS

2.01 The connection data furnished in Table 11.08 for running cables provides cable pairs for the maximum of five stations, or groups of stations, for each line. When all five stations, or groups of stations, are not provided for each line, a smaller running cable may be used by making special assignments for the pairs actually required.

2.02 This section covers connections for "R," "T," "A1," and "A" leads from stations arranged for any automatic cut-off feature. "L" and "LG" leads from these stations should be connected in the same manner as "L" and "LG" leads at stations which are not arranged for automatic cut-off features.

INDEX**WIRING BETWEEN KEY TELEPHONE UNITS**

TYPE OF CONNECTIONS	TYPE OF CKT.	TABLE NO.	PAGE NO.
Connections Between Line Units and Automatic Cut-off Unit (26B)	CO or PBX Lines	11.01	3
	Automatic Tie Lines		
	Ringdown Tie Lines		
	Station Lines		
Connections Between Cut-Through and Control Ckt. For Automatic Cut-off Unit (29A) and Automatic Cut-off Unit (26B)	Specific Automatic Cut-off Features	11.02	5
	Station Grouping	11.03	6

POWER WIRING

SYSTEM FUSING	TABLE NO.	PAGE NO.
Fuse Units Provided—Leads Run to Fuse Unit	11.04	7
Fuse Units Not Provided—Leads Strapped	11.05	7

STATION CABLE CONNECTIONS

TYPE OF CABLE	TYPE OF CKT.	TYPE OF KEY TEL. SET USED	TABLE NO.	PAGE NO.
Key	Line, Lamp, and Control	All 1A1 Sys. Sets Except 565A	11.06	8
		565A	11.07	11
Running	Line, Lamp, and Control	All 1A1 Sys. Sets	11.08	14
		Sys. Consists of 565A Sets Only		

CONNECTIONS BETWEEN CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, TIE, AND STATION LINE UNITS (202A, 202B, 212A, 203A, 204A, AND 205A), AUTOMATIC CUT-OFF UNIT (26B) AND CUT-THROUGH AND CONTROL UNIT (29A)

TABLE 11.01

Select Subtable for Features Provided and Type of Key Telephone Unit Used, As Shown in the Index Immediately Below:

K.T.U. USED AS SYS. FLASHING AND TIMING-OUT UNIT	TYPE OF LINE CKT.	K.T.U. USED AS LINE UNIT	LINE NO. IN SYS.	CONNECTIONS SHOWN IN SUBTABLE
209A	CO or PBX	202A	1 through 6	α and b
		202B	1 through 6	α and c
	AUTOMATIC TIE	203A	1 through 6	α and b
	RINGDOWN TIE	204A	1 through 6	α and b
	STATION	205A	1 through 6	α and b
212A	CO or PBX	212A	1 through 3	α and c
		202B	4 through 6	α and c
		202A	4 through 6	α and b
	AUTOMATIC TIE	203A	4 through 6	α and b
	RINGDOWN TIE	204A	4 through 6	α and b
	STATION	205A	4 through 6	α and b

11.01α

Connect Varistor to Cut-Through and Control Unit (29A) as Shown Below:

NO. 400A VARISTOR	29A K.T.U. TERM.
BARE WIRE LEAD #1	9
BARE WIRE LEAD #2	6

11.01b

Run Straps as Shown Below:

LINES	LEAD DESIG.	K.T.U. USED	26B K.T.U. TERM.	ALL 29A K.T.U. TERM.
CO or PBX LINES (202A), TIE LINES or STA. LINES (203A, 204A, 205A)	R T "B" GRD A	202A, 203A, 204A, or 205A K.T.U. TERM.		
		11	6	
		9	5	
		40	7	
		13*		3

Note: * Provide only for CO or PBX lines.

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TABLE 11.01
(Continued)

11.01c

Run Straps as Shown Below:

LINES	LEAD DESIG.	K.T.U. USED	26B K.T.U. TERM.	ALL 29A K.T.U. TERM.
CO or PBX LINES (202B)	R T "B" GRD A	202B K.T.U. (USED FOR LINE BEING CUT OFF) TERM.		
		2	6	
		1	5	
		30	7	
		3		3

11.01d

Run Straps as Shown Below:

LINE NO. IN SYS.	LEAD DESIG.	212A K.T.U.	26B K.T.U. TERM.	ALL 29A K.T.U. TERM.
1	R T A "B" GRD	TERM. STRIP "A" TERM.		
		2	6	
		1	5	
		3		3
		30	7	
2	R T A "B" GRD	TERM. STRIP "B" TERM.		
		2	6	
		1	5	
		3		3
		TERM. STRIP "A" TERM.		
		30	7	
3	R T A "B" GRD	TERM. STRIP "C" TERM.		
		2	6	
		1	5	
		3		3
		TERM. STRIP "A" TERM.		
		30	7	

Reference: SD-69203-0105, Fig. 11
SD-69203-0105, Fig. 12
SD-69203-0117, Fig. 51SD-69203-0118, Fig. 52
SD-69203-0119, Fig. 53
SD-69203-0120, Fig. 54SD-69203-01, Fig. 67
SD-69203-01, Fig. 68

CONNECTIONS BETWEEN CUT-THROUGH AND CONTROL UNIT (29A) AND AUTOMATIC CUT-OFF UNIT (26B)—SPECIAL STRAPPING FOR SPECIFIC CUT-OFF OPTIONS

TABLE 11.02

Run Straps as Shown Below:

OPTION	LEAD DESIG.	29A K.T.U. TERM.	26B K.T.U. TERM.	WIRING	STRAP ON 29A K.T.U. BETWEEN TERMS.
Station, or Group of Stations, CAN Cut Off Others but Cannot Be Cut Off	BAT CO	7 12	2 13		
Station, or Group of Stations, CAN Cut Off Others and Can Be Cut Off Except When Busy	B BAT CO	13 14 12	4 2 13	K*	7, 10, and 11
Station, or Group of Stations, CANNOT Cut Off Others but Can Be Cut Off Except When Busy	B BAT	13 14	4 2	K*	7, 10, and 11
Station, or Group of Stations, CANNOT Cut Off Others But Can Be Cut Off at Any Time	29A K.T.U. IS NOT REQUIRED FOR THIS OPTION, THEREFORE STRAPPING IS NOT REQUIRED				

Note: ★ "K" wiring is the strapping that permits the station to be cut off except when busy.

Reference: SD-69203-0105, Figs. 11 and 12

TABLE 11.03

**CONNECTIONS BETWEEN AUTOMATIC CUT-OFF UNIT (26B)
AND CUT-THROUGH AND CONTROL UNIT (29A)—COMMON
STRAPPING FOR STATION GROUPING**

Run Straps as Shown Below for the Following Options:

- (A) Station, or Group of Stations, CAN Cut Off Others but Cannot Be Cut Off.
 (B) Station, or Group of Stations, CAN Cut Off Others and Can Be Cut Off Except When Busy.
 (C) Station, or Group of Stations, CANNOT Cut Off Others but May Be Cut Off Except When Busy.

STATION OR GROUP OF STATIONS	LEAD DESIG.	26B K.T.U. TERM.	29A K.T.U. TERM.
1	R T "B" GRD	6 5 7	ALL 29A K.T.U. TERM. 2 1 8
	R1 T1	9 8	1st 29A K.T.U. TERM. 5 4
2	R1 T1	11 10	2nd 29A K.T.U. TERM. 5 4
3	R1 T1	14 12	3rd 29A K.T.U. TERM. 5 4
4	R1 T1	16 15	4th 29A K.T.U. TERM. 5 4
5	R1 T1	18 17	5th 29A K.T.U. TERM. 5 4

Reference: SD-69203-0105, Figs. 11 and 12

**POWER CONNECTIONS BETWEEN CIRCUIT FUSE UNIT (201A),
CUT-THROUGH AND CONTROL UNIT (29A), AND AUTOMATIC
CUT-OFF UNIT (26B)**

TABLE 11.04

Run Straps as Shown Below:

LEAD DESIG.	CKT. FUSE 201A K.T.U. TERM.	29A K.T.U. TERM.	26B K.T.U. TERM.
"D" BAT	6		2 and 3
"D" GRD	17	15	

Reference: SD-69203-0105, Figs. 11 and 12
SD-69203-0125, Fig. 66

**POWER CONNECTIONS BETWEEN CENTRAL OFFICE OR PRI-
VATE BRANCH EXCHANGE LINE UNIT (202A, 202B, OR 212A),
CUT-THROUGH AND CONTROL UNIT (29A), AND AUTOMATIC
CUT-OFF UNIT (26B)**

TABLE 11.05

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

SUBTABLE	LEAD DESIG.	K.T.U. USED AS CO OR PBX LINE UNIT	29A K.T.U. TERM.	26B K.T.U. TERM.
α	"D" BAT	1st or 2nd 202A K.T.U. TERM.		2 and 3
	"D" GRD	38	15	
b	"D" BAT	1st or 2nd 202B K.T.U. TERM.		2 and 3
	"D" GRD	29	15	
c	"D" BAT	212A K.T.U. TERM. STRIP "A" TERM.		2 and 3
	"D" GRD	29	15	

Reference: SD-69203-01, Fig. 67
SD-69203-01, Fig. 68
SD-69203-0117, Fig. 51
SD-69203-0105, Figs. 11 and 12

TABLE 11.06

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

11.06a FIRST LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE			K.T.U. USED
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
				CONDUCTOR COLOR	
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T	1	BL W	BL W	29A K.T.U. TERM. 5 4
	A1 A	2	O W	O W	8 9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	1	BL W	BL W	26B K.T.U. TERM. 18 17
	A1	2	O (W)	O (W)	7
	A	2	W (O)	W (O)	29A K.T.U. TERM. 3

11.06b SECOND LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE			K.T.U. USED
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
				CONDUCTOR COLOR	
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T	3	G W	G W	29A K.T.U. TERM. 5 4
	A1 A	4	BR W	BR W	8 9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	3	G W	G W	26B K.T.U. TERM. 18 17
	A1	4	BR (W)	BR (W)	7
	A	4	W (BR)	W (BR)	29A K.T.U. TERM. 3

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TABLE 11.06
(Continued)

11.06c THIRD LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE			K.T.U. USED
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
CONDUCTOR COLOR					
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T	5	S W	S W	29A K.T.U. TERM. 5 4
	A1 A	6	BL-W W	BL R	8 9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	5	S W	S W	26B K.T.U. TERM. 18 17
	A1	6	BL-W (W)	BL (R)	7
	A	6	W (BL-W)	R (BL)	29A K.T.U. TERM. 3

11.06d FOURTH LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE			K.T.U. USED
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
CONDUCTOR COLOR					
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T	7	BL-O W	O R	29A K.T.U. TERM. 5 4
	A1 A	8	BL-G W	G R	8 9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	7	BL-O W	O R	26B K.T.U. TERM. 18 17
	A1	8	BL-G (W)	G (R)	7
	A	8	W (BL-G)	R (G)	29A K.T.U. TERM. 3

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TABLE 11.06
(Continued)

11.06e FIFTH LINE IN SYSTEM

FEATURES	LEAD DESIG.	PAIR NO.	KEY CABLE		K.T.U. USED
			"C" INSIDE WIRING	"D" INSIDE WIRING	
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T	9	BL-BR W	BR R	29A K.T.U. TERM. 5 4
	A1 A	10	BL-S W	S R	8 9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	9	BL-BR W	BR R	26B K.T.U. TERM. 18 17
	A1	10	BL-S (W)	S (R)	7
	A	10	W (BL-S)	R (S)	29A K.T.U. TERM. 3

Reference: SD-69203-0105, Figs. 11 and 12

KEY CABLE TO KEY TELEPHONE UNITS FOR 565A TELEPHONE SETS

TABLE 11.07

11.07a FIRST LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE		K.T.U. USED	
		PAIR NO.	"C" INSIDE WIRING CONDUCTOR COLOR		"D" INSIDE WIRING CONDUCTOR COLOR
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T A A	1 7	BL W BL-O W	BL W O R	29A K.T.U. TERM. 5 4 8 9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	1	BL W	BL W	26B K.T.U. TERM. 18 17
	A 1	7	BL-O (W)	O (R)	7
	A	7	W (BL-O)	R (O)	29A K.T.U. TERM. 3

11.07b SECOND LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE		K.T.U. USED	
		PAIR NO.	"C" INSIDE WIRING CONDUCTOR COLOR		"D" INSIDE WIRING CONDUCTOR COLOR
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T A	2 8	O W BL-G (W)	O W G (R)	29A K.T.U. TERM. 5 4 9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	2	O W	O W	26B K.T.U. TERM. 18 17
	A	8	BL-G (W)	G (R)	29A K.T.U. TERM. 3

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**TABLE 11.07
(Continued)****11.07c THIRD LINE IN SYSTEM**

FEATURES	LEAD DESIG.	KEY CABLE		K.T.U. USED	
		PAIR NO.	"C" INSIDE WIRING		"D" INSIDE WIRING
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy			CONDUCTOR COLOR		
	R T	3	G W	G W	29A K.T.U. TERM. 5 4
	A	8	W (BL-G)	R (G)	9
	R T	3	G W	G W	26B K.T.U. TERM. 18 17
	A	8	W (BL-G)	R (G)	29A K.T.U. TERM. 3

11.07d FOURTH LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE		K.T.U. USED	
		PAIR NO.	"C" INSIDE WIRING		"D" INSIDE WIRING
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy			CONDUCTOR COLOR		
	R T	4	BR W	BR W	29A K.T.U. TERM. 5 4
	A	9	BL-BR(W)	BR (R)	9
	R T	4	BR W	BR W	26B K.T.U. TERM. 18 17
	A	9	BL-BR(W)	BR (R)	29A K.T.U. TERM. 3

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TABLE 11.07
(Continued)

11.07e FIFTH LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE			K.T.U. USED
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T	5	S W	S W	29A K.T.U. TERM. 5 4
	A	9	W(BL-BR)	R (BR)	9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	5	S W	S W	26B K.T.U. TERM. 18 17
	A	9	W(BL-BR)	R (BR)	29A K.T.U. TERM. 3

11.07f SIXTH LINE IN SYSTEM

FEATURES	LEAD DESIG.	KEY CABLE			K.T.U. USED
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR		
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	R T	6	BL-W W	BL R	29A K.T.U. TERM. 5 4
	A	10	BL-S (W)	S (R)	9
Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	R T	6	BL-W W	BL R	26B K.T.U. TERM. 18 17
	A	10	BL-S (W)	S (R)	29A K.T.U. TERM. 3

Reference: SD-69203-0105, Figs. 11 and 12

TABLE 11.08

RUNNING CABLE FROM AUTOMATIC CUT-OFF UNITS (29A AND 26B)—FOR ALL 1A1 SYSTEM SETS

11.08a FIRST LINE IN SYSTEM

Connect Running Cable Pairs as Shown Below:

FEATURES	STATIONS OR GROUP OF STATIONS	LEAD DESIG.	RUNNING CABLE			K.T.U. USED	
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING		
				CONDUCTOR COLOR			
<p>Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off;</p> <p>or</p> <p>Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy;</p> <p>or</p> <p>Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy</p>	1	R T	27	BL-O R	O-W W	1st 29A K.T.U. TERM. 5 4	
		A1 A	28	BL-G R	G-W W	8 9	
	2	R T	29	BL-BR R	BR-W W	2nd 29A K.T.U. TERM. 5 4	
		A1 A	30	BL-S R	S-W W	8 9	
	3	R T	31	O-W R	BL-W R	3rd 29A K.T.U. TERM. 5 4	
		A1 A	32	O-G R	O-W R	8 9	
	4	R T	33	O-BR R	G-W R	4th 29A K.T.U. TERM. 5 4	
		A1 A	34	O-S R	BR-W R	8 9	
	5	R T	35	G-W R	S-W R	5th 29A K.T.U. TERM. 5 4	
		A1 A	36	G-BR R	BL-W BK	8 9	
	Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	5	R T	35	G-W R	S-W R	26B K.T.U. TERM. 18 17
			A1	36	G-BR (R)	BL-W (BK)	7
		A	36	R (G-BR)	BK (BL-W)	29A K.T.U. TERM. 3	

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TABLE 11.08
(Continued)

11.08b SECOND LINE IN SYSTEM

Connect Running Cable Pairs as Shown Below:

FEATURES	STATIONS OR GROUP OF STATIONS	LEAD DESIG.	RUNNING CABLE			K.T.U. USED	
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING		
				CONDUCTOR COLOR			
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy	1	R T	37	G-S R	O-W BK	1st 29A K.T.U. TERM. 5 4	
		A1 A	38	BR-W R	G-W BK	8 9	
	2	R T	39	BR-S R	BR-W BK	2nd 29A K.T.U. TERM. 5 4	
		A1 A	40	S-W R	S-W BK	8 9	
	3	R T	41	BL BK	BL-W Y	3rd 29A K.T.U. TERM. 5 4	
		A1 A	42	O BK	O-W Y	8 9	
	4	R T	43	G BK	G-W Y	4th 29A K.T.U. TERM. 5 4	
		A1 A	44	BR BK	BR-W Y	8 9	
	5	R T	45	S BK	S-W Y	5th 29A K.T.U. TERM. 5 4	
		A1 A	46	BL-W BK	BL-W V	8 9	
	Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	5	R T	45	S BK	S-W Y	26B K.T.U. TERM. 18 17
			A1	46	BL-W (BK)	BL-W (V)	7
		A	46	BK (BL-W)	V (BL-W)	29A K.T.U. TERM. 3	

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TABLE 11.08
(Continued)

11.08c THIRD LINE IN SYSTEM

Connect Running Cable Pairs as Shown Below:

FEATURES	STATIONS OR GROUP OF STATIONS	LEAD DESIG.	RUNNING CABLE		K.T.U. USED		
			PAIR NO.	"C" INSIDE WIRING		"D" INSIDE WIRING	
				CONDUCTOR COLOR			
<p>Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off;</p> <p>or</p> <p>Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy;</p> <p>or</p> <p>Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy</p>	1	R T	47	BL-O BK	O-W V	1st 29A K.T.U. TERM. 5 4	
		A1 A	48	BL-G BK	G-W V	8 9	
	2	R T	49	BL-BR BK	BR-W V	2nd 29A K.T.U. TERM. 5 4	
		A1 A	50	BL-S BK	S-W V	8 9	
	3	R T	51	O-W BK	BL-R W	3rd 29A K.T.U. TERM. 5 4	
		A1 A	52	O-G BK	O-R W	8 9	
	4	R T	53	O-BR BK	G-R W	4th 29A K.T.U. TERM. 5 4	
		A1 A	54	O-S BK	BR-R W	8 9	
	5	R T	55	G-W BK	S-R W	5th 29A K.T.U. TERM. 5 4	
		A1 A	56	G-BR BK	BL-R R	8 9	
	Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	5	R T	55	G-W BK	S-R W	26B K.T.U. TERM. 18 17
			A1	56	G-BR (BK)	BL-R (R)	7
		A	56	BK (G-BR)	R (BL-R)	29A K.T.U. TERM. 3	

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TABLE 11.08
(Continued)

11.08d FOURTH LINE IN SYSTEM

Connect Running Cable Pairs as Shown Below:

FEATURES	STATIONS OR GROUP OF STATIONS	LEAD DESIG.	RUNNING CABLE			K.T.U. USED	
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING		
				CONDUCTOR COLOR			
<p>Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off;</p> <p>or</p> <p>Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy;</p> <p>or</p> <p>Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy</p>	1	R T	57	G-S BK	O-R R	1st 29A K.T.U. TERM. 5 4	
		A1 A	58	BR-W BK	G-R R	8 9	
	2	R T	59	BR-S BK	BR-R R	2nd 29A K.T.U. TERM. 5 4	
		A1 A	60	S-W BK	S-R R	8 9	
	3	R T	61	BL R-W	BL-R BK	3rd 29A K.T.U. TERM. 5 4	
		A1 A	62	O R-W	O-R BK	8 9	
	4	R T	63	G R-W	G-R BK	4th 29A K.T.U. TERM. 5 4	
		A1 A	64	BR R-W	BR-R BK	8 9	
	5	R T	65	S R-W	S-R BK	5th 29A K.T.U. TERM. 5 4	
		A1 A	66	BL-W R-W	BL-R Y	8 9	
	Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	5	R T	65	S R-W	S-R BK	26B K.T.U. TERM. 18 17
			A1	66	BL-W (R-W)	BL-R (Y)	7
		A	66	R-W (BL-W)	Y (BL-R)	29A K.T.U. TERM. 3	

(Continued on Next Page)

TABLE 11.08
(Continued)

11.08e FIFTH LINE IN SYSTEM

Connect Running Cable Pairs as Shown Below:

FEATURES	STATIONS OR GROUP OF STATIONS	LEAD DESIG.	RUNNING CABLE			K.T.U. USED	
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING		
				CONDUCTOR COLOR			
<p>Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off;</p> <p>or</p> <p>Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy;</p> <p>or</p> <p>Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy</p>	1	R T	67	BL-O R-W	O-R Y	1st 29A K.T.U. TERM. 5 4	
		A1 A	68	BL-G R-W	G-R Y	8 9	
	2	R T	69	BL-BR R-W	BR-R Y	2nd 29A K.T.U. TERM. 5 4	
		A1 A	70	BL-S R-W	S-R Y	8 9	
	3	R T	71	O-W R-W	BL-R V	3rd 29A K.T.U. TERM. 5 4	
		A1 A	72	O-G R-W	O-R V	8 9	
	4	R T	73	O-BR R-W	G-R V	4th 29A K.T.U. TERM. 5 4	
		A1 A	74	O-S R-W	BR-R V	8 9	
	5	R T	75	G-W R-W	S-R V	5th 29A K.T.U. TERM. 5 4	
		A1 A	76	G-BR R-W	R W	8 9	
	Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	5	R T	75	G-W R-W	S-R V	26B K.T.U. TERM. 18 17
			A1	76	G-BR(R-W)	R (W)	7
		A	76	R-W (G-BR)	W (R)	29A K.T.U. TERM. 3	

(Continued on Next Page)

TABLE 11.08
(Continued)

11.08f SIXTH LINE IN SYSTEM

Connect Running Cable Pairs as Shown Below:

FEATURES	STATIONS OR GROUP OF STATIONS	LEAD DESIG.	RUNNING CABLE			K.T.U. USED
			PAIR NO.	OUA OR NUA CABLE	"D" INSIDE WIRING★	
				CONDUCTOR COLOR		
Sta. or Stas. Can Cut Off Others But Cannot Be Cut Off; or Sta. or Stas. Can Cut Off Others and Can Be Cut Off Except When Busy; or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off Except When Busy or Sta. or Stas. Cannot Cut Off Others But Can Be Cut Off at Anytime	1	R T	77	G-S R-W	— —	1st 29A K.T.U. TERM. 5 4
		A1 A	78	BR-W R-W	— —	8 9
	2	R T	79	BR-S R-W	— —	2nd 29A K.T.U. TERM. 5 4
		A1 A	80	S-W R-W	— —	8 9
	3	R T	81	BL BK-W	— —	3rd 29A K.T.U. TERM. 5 4
		A1 A	82	O BK-W	— —	8 9
	4	R T	83	G BK-W	— —	4th 29A K.T.U. TERM. 5 4
		A1 A	84	BR BK-W	— —	8 9
	5	R T	85	S BK-W	— —	5th 29A K.T.U. TERM. 5 4
		A1 A	86	BL-W BK-W	— —	8 9
	5	R T	85	S BK-W	— —	26B K.T.U. TERM. 18 17
		A1	86	BL-W (BK-W)	—	7
		A	86	BK-W (BL-W)	—	29A K.T.U. TERM. 3

Note: ★ "C" and "D" INSIDE WIRING NOT FURNISHED for pairs numbered 77 through 86. OUA or NUA cable furnished instead.

Reference: SD-69203-0105, Figs. 11 and 12