

**CONNECTIONS BETWEEN KEY OR
 INCOMING CABLES AND RUNNING CABLES AT
 CROSS-CONNECTING TERMINAL
 PREASSIGNMENTS**

1. GENERAL

1.01 This section provides connection data to be used in connecting incoming cables, key cables (standard key cables or key cables for 565A key telephone sets only) to running cables (standard running cables or running cables for systems using 565A key telephone sets only). It does not provide information for the connection of incoming or key cables to special or "tailored" running cables, for which the assignments must be made locally.

1.02 Information to be used in the preparation of data for connecting incoming or key cables to "tailored" running cables is shown in Section C66.215.

1.03 An index listing the various features, types of associated equipment, and table numbers is shown below and on pages 2, 3, and 4 of this section.

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INCOMING CABLES TO RUNNING CABLES

TYPE OF CKT.	INCOMING CABLE		RUNNING CABLE		TABLE NO.	PAGE NO.
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TYPE OF CKT.	KEY CABLE		RUNNING CABLE		CUT-OFF OR EXCLUSION	CUT-OFF AND EXCLUSION DATA	SPECIAL EQUIP.	TABLE NO.	PAGE NO.
	STD.	FOR 565A KEY TEL. SETS ONLY	STD.	SYS. WITH 565A KEY TEL. SETS ONLY					
Line and Control	√		√		None	—	—	16.04	7
		√	√		None	—	—	16.05	8
		√		√	None	—	—	16.06	9
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		√	√	√	Manual Cut-off	To Cut-off Sta.	—	16.09	12
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	√		√		Exclusion	To Excluded Sta.	—	16.11	14
		√	√	√	Exclusion	To Excluded Sta.	—	16.12	15
Common Aud. Sig.	√	√	√	√	—	—	—	16.13	16
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KEY CABLES TO RUNNING CABLES FOR DIAL SELECTIVE INTERCOM LINES WITHOUT EITHER FLASHING LINE LAMPS OR AUTOMATIC CUT-OFF

TYPE OF CKT.	KEY CABLE		RUNNING CABLE		CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CKT. TO BE RUN THROUGH SAME CABLE		SPECIAL EQUIP.	TABLE NO.	PAGE NO.
	STD.	FOR 565A KEY TEL. SETS ONLY	STD.	SYS. WITH 565A KEY TEL. SETS ONLY	YES	NO			
Line and Control	√		√		—	—	—	16.04	7
		√	√		—	—	—	16.05	8
		√		√	—	—	—	16.06	9
Sta. Aud. Sig.	√	√	√	√		√	—	16.16	19
	√	√	√	√	√		—	16.17	20
Lamp	√		√		—	—	—	16.14	17
		√	√		—	—	—	16.14	17
		√		√	—	—	—	16.15	18
	√	√	√	√	—	—	Lamp Resistance In Cab.	16.20	32

KEY CABLES TO RUNNING CABLES FOR DIAL SELECTIVE INTERCOM LINES WITH FLASHING LINE LAMPS AND/OR AUTOMATIC CUT-OFF

TYPE OF CKT.	KEY CABLE		RUNNING CABLE		CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CKT. TO BE RUN THROUGH SAME CABLE		STA. NO.	SPECIAL EQUIP.	TABLE NO.	PAGE NO.
	STD.	FOR 565A KEY TEL. SETS ONLY	STD.	SYS. WITH 565A KEY TEL. SETS ONLY	YES	NO				
Line and Control	√		√		—	—	2	—	16.21	38
		√	√		—	—	2	—	16.22	39
		√		√	—	—	2	—	16.23	40
	√		√		—	—	3-0	—	16.24	41
		√	√	√	—	—	3-0	—	16.25	42
Sta. Aud. Sig.	√	√	√	√		√	—	—	16.16	19
	√	√	√	√	√		—	—	16.17	20
Lamp	√	√	√	√	—	—	2	—	16.26	43
	√	√	√	√	—	—	3-0	—	16.27	44
	√	√	√	√	—	—	—	Lamp Resistance In Cab.	16.20	32

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KEY CABLES TO RUNNING CABLES FOR SIGNALING DISTANT TERMINALS OF TIE LINES AND STATION LINES

TYPE OF CKT.	KEY CABLE		RUNNING CABLE		LOCATION OF SIG. KEYS		CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CKT. TO BE RUN THROUGH SAME CABLE		TABLE NO.	PAGE NO.
	STD.	FOR 565A KEY TEL. SETS ONLY	STD.	SYS. WITH 565A KEY TEL. SETS ONLY	IN KEY TEL. SETS	OUTSIDE KEY TEL. SETS	YES	NO		
Signaling	√		√		√		—	—	16.28	45
		√	√		√		—	—	16.29	46
		√		√	√		—	—	16.30	47
	√	√	√			√		√	16.31	48
	√	√	√			√	√		16.32	49
		√		√		√		√	16.33	50

KEY CABLES TO RUNNING CABLES FOR PUSH-BUTTON AND BUZZER CIRCUITS

KEY CABLE		RUNNING CABLE		TYPE OF CKT.		LOCATION OF SIG. KEYS		BUZZER	CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CKT. TO BE RUN THROUGH SAME CABLE		TABLE NO.	PAGE NO.
STD.	FOR 565A KEY TEL. SETS ONLY	STD.	SYS. WITH 565A KEY TEL. SETS ONLY	CODE OR SEL. SIG.	CODE AND SEL. SIG.	IN KEY TEL. SETS	OUTSIDE KEY TEL. SETS		YES	NO		
√	√	√	√	√		—	—	√		√	16.34	51
√	√	√	√	√		—	—	√	√		16.35	52
√	√	√	√		√	—	—	√		√	16.36	53
√	√	√	√		√	—	—	√	√		16.37	54
√		√		√		√		—		√	16.38	55
√		√		√		√		—	√		16.39	56
√		√			√	√		—		√	16.40	57
√		√			√	√		—	√		16.41	58
	√	√	√	√		√		—		√	16.42	59
	√	√	√	√		√		—	√		16.43	60
	√	√	√		√	√		—		√	16.44	61
	√	√	√		√	√		—	√		16.45	62
√	√	√	√	√			√	—		√	16.46	63
√	√	√	√	√			√	—	√		16.47	64
√	√	√	√		√		√	—		√	16.48	65
√	√	√	√		√		√	—	√		16.49	66

**INCOMING CABLE TO ALL RUNNING CABLES — FOR INCOMING LINES
FROM CENTRAL OFFICE OR PRIVATE BRANCH EXCHANGE**
TABLE 16.01

Make Connections as Shown Below:

LINE NO. IN SYS.	LEAD DESIG.	INCOMING CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
1	R T	1	BL W	BL W	46	BL-W BK	BL-W V
2	R T	2	O W	O W	47	BL-O BK	O-W V
3	R T	3	G W	G W	48	BL-G BK	G-W V
4	R T	4	BR W	BR W	49	BL-BR BK	BR-W V
5	R T	5	S W	S W	50	BL-S BK	S-W V
6	R T	6	BL-W W	BL R	51	*O-W *BK	*BL-R *W

Note: * If last pair in cable, conductor colors will be red-white.

INCOMING CABLE TO ALL RUNNING CABLES — FOR INCOMING POWER SUPPLY
TABLE 16.02

Make Connections as Shown Below:

POWER USED FOR	LEAD DESIG.	INCOMING CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
RELAYS	BAT GRD	7	BL-O W	O R	36	G-BR R	BL-W BK
	BAT GRD	8	BL-G W	G R	37	G-S R	O-W BK
RELAYS of DIAL SEL. INTERCOM LINES	BAT GRD	9	BL-BR W	BR R	38	BR-W R	G-W BK
	BAT GRD	10	BL-S W	S R	39	BR-S R	BR-W BK
LAMPS	POWER GRD	11	O-W W	BL BK	40	S-W R	S-W BK
	POWER GRD	12	O-G W	O BK	41	BL BK	BL-W Y
	POWER GRD	13	O-BR W	G BK	42	O BK	O-W Y
	POWER GRD	14	O-S W	BR BK	43	G BK	G-W Y
BUZZERS	POWER GRD	15	G-W W	S BK	44	BR BK	BR-W Y
GENERATORS	105V ±	16	G-BR *	BL *	45	S	S-W
	RING GRD		W *	Y *		BK	Y

Note: * If last pair in cable, conductor colors will be red-white.

TABLE 16.03

KEY CABLE TO RUNNING CABLE — LINE, CONTROL, COMMON AUDIBLE SIGNAL, AND LAMP CONNECTIONS FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND INTERCOMMUNICATING LINE CIRCUITS WHERE INTERRUPTED RINGING, SECOND AUDIBLE SIGNAL, EXCLUSION, AND CUT-OFF FEATURES ARE NOT PROVIDED — ALL 1A1 KEY TELEPHONE SETS EXCEPT 565A SETS—CONNECTION OF STANDARD KEY CABLE TO STANDARD RUNNING CABLE

Make Connections as Shown Below:

TYPE OF CKT.	LINE NO. IN SYS.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
LINE AND CONTROL	1	R T	1	BL W	BL W	1	BL W	BL W
		A1 A	2	O W	O W	2	O W	O W
	2	R T	3	G W	G W	3	G W	G W
		A1 A	4	BR W	BR W	4	BR W	BR W
	3	R T	5	S W	S W	5	S W	S W
		A1 A	6	BL-W W	BL R	6	BL-W W	BL R
	4	R T	7	BL-O W	O R	7	BL-O W	O R
		A1 A	8	BL-G W	G R	8	BL-G W	G R
	5	R T	9	BL-BR W	BR R	9	BL-BR W	BR R
		A1 A	10	BL-S W	S R	10	BL-S W	S R
COMMON AUD. SIG.	ALL	R1 B1	12	O-G W	O BK	12	O-G W	O BK
LAMP	1	L LG	16	G-BR W	BL Y	16	G-BR W	BL Y
	2	L LG	17	G-S W	O Y	17	G-S W	O Y
	3	L LG	18	BR-W W	G Y	18	BR-W W	G Y
	4	L LG	19	BR-S W	BR Y	19	BR-S W	BR Y
	5	L LG	20	S-W W	S Y	20	S-W W	S Y

TABLE 16.04

KEY CABLE TO RUNNING CABLE — LINE AND CONTROL CIRCUIT — CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS — CONNECTIONS ARE ALSO SHOWN FOR DIAL SELECTIVE INTERCOMMUNICATING LINES THAT ARE NOT TO BE EQUIPPED WITH EITHER AUTOMATIC CUT-OFF OR FLASHING LINE LAMPS

Connections as Shown Below Do Not Include Those Required by Cut-off or Exclusion Features:

- (A) Under normal circumstances, connect the pair number in the key cable to the same pair number in the running cable, as shown.
- (B) In other cases connect the key cable pair from each line number in the key telephone set to the running cable pair assigned to the desired line number in the system.

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

RUNNING CABLE				
LINE NO. IN SYS.	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
6	R T	22	O R	O V
	A1 A	23	G R	G V

TABLE 16.05

KEY CABLE TO RUNNING CABLE—LINE AND CONTROL CIRCUIT CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS — CONNECTIONS ARE ALSO SHOWN FOR DIAL SELECTIVE INTERCOMMUNICATING LINES THAT ARE NOT TO BE EQUIPPED WITH EITHER AUTOMATIC CUT-OFF OR FLASHING LINE LAMPS

Connections as Shown Below Do Not Include Those Required by Cut-off or Exclusion Features:

- (A) Under normal circumstances, connect the pair number in the key cable to the same pair number in the running cable, as shown.
- (B) In other cases connect the key cable pair from each line number in the key telephone set to the running cable pair assigned to the desired line number in the system.

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	7	BL-O W	O R
2	R T	2	O W	O W
	A1 A	8	— BL-G(W)	— G(R)
3	R T	3	G W	G W
	A1 A	8	— W(BL-G)	— R(G)
4	R T	4	BR W	BR W
	A1 A	9	— BL-BR(W)	— BR(R)
5	R T	5	S W	S W
	A1 A	9	— W(BL-BR)	— R(BR)
6	R T	6	BL-W W	BL R
	A1 A	10	— BL-S(W)	— S(R)

RUNNING CABLE				
LINE NO. IN SYS.	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
6	R T	22	O R	O V
	A1 A	23	G R	G V

TABLE 16.06

KEY CABLE TO RUNNING CABLE—LINE AND CONTROL CIRCUIT CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS—CONNECTIONS ARE ALSO SHOWN FOR DIAL SELECTIVE INTERCOMMUNICATING LINES THAT ARE NOT TO BE EQUIPPED WITH EITHER AUTOMATIC CUT-OFF OR FLASHING LINE LAMPS

Connections as Shown Below Do Not Include Those Required by Cut-off or Exclusion Features:

- (A) Under normal circumstances, connect the pair number in the key cable to the same pair number in the running cable, as shown.
- (B) In other cases connect the key cable pair from each line number in the key telephone set to the running cable pair assigned to the desired line number in the system.

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	7	BL-O W	O R
2	R T	2	O W	O W
	A1 A	8	— BL-G(W)	— G(R)
3	R T	3	G W	G W
	A1 A	8	— W(BL-G)	— R(G)
4	R T	4	BR W	BR W
	A1 A	9	— BL-BR(W)	— BR(R)
5	R T	5	S W	S W
	A1 A	9	— W(BL-BR)	— R(BR)
6	R T	6	BL-W W	BL R
	A1 A	10	— BL-S(W)	— S(R)

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

TABLE 16.07

KEY CABLE TO RUNNING CABLE—MANUAL CUT-OFF CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS

Connections Shown Are for Cutting-off Stations

Make Connections as Shown Below:

FROM CUTTING-OFF KEY TEL. SET NO.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
1	R T	15	G-W W	S BK	15	G-W W	S BK
2	R T	15	G-W W	S BK	28	BL-G R	G-W W
3	R T	15	G-W W	S BK	30	BL-S R	S-W W
4	R T	15	G-W W	S BK	32	O-G R	O-W R
5	R T	15	G-W W	S BK	34	O-S R	BR-W R
6	R T	15	G-W W	S BK	36	G-BR R	BL-W BK
7	R T	15	G-W W	S BK	38	BR-W R	G-W BK
8	R T	15	G-W W	S BK	40	S-W R	S-W BK
9	R T	15	G-W W	S BK	42	O BK	O-W Y
10	R T	15	G-W W	S BK	44	BR BK	BK-W Y

TABLE 16.08

KEY CABLE TO RUNNING CABLE—MANUAL CUT-OFF CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS

Connections Shown Below Are for Lines Which May Be Manually Cut Off:

- (A) To determine key cable pair, select the horizontal block (under KEY CABLE) with the same number as the line number in key telephone set.
- (B) To determine running cable pair, select horizontal block (under CUTTING-OFF KEY TELEPHONE SETS THROUGH RUNNING CABLE) with same number as cutting-off key telephone set number.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE FROM STATIONS WHICH MAY BE CUT OFF (KEY TEL. SET)				
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
2	R T	3	G W	G W
3	R T	5	S W	S W
4	R T	7	BL-O W	O R
5	R T	9	BL-BR W	BR R

TO CUTTING-OFF KEY TEL. SETS THROUGH RUNNING CABLE				
Cutting-off Key Tel. Set No.	LEAD DESIG. ✕	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	R T	27	BL-O R	O-W W
2	R T	29	BL-BR R	BR-W W
3	R T	31	O-W R	BL-W R
4	R T	33	O-BR R	G-W R
5	R T	35	G-W R	S-W R
6	R T	37	G-S R	O-W BK
7	R T	39	BR-S R	BR-W BK
8	R T	41	BL BK	BL-W Y
9	R T	43	G BK	G-W Y
10	R T	45	S BK	S-W Y

Notes: ★ Line terminals in key telephone sets to which the leads from the cutting-off station will be terminated.

✕ Make connections for "A" and "A1" leads as shown on Table 16.04.

TABLE 16.09

KEY CABLE TO RUNNING CABLE—MANUAL CUT-OFF CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS

Connections Shown Below Are for Lines Which May Be Manually Cut Off:

- (A) To determine key cable pair, select the horizontal block (under KEY CABLE) with the same number as the line number in key telephone set.
- (B) To determine running cable pair, select horizontal block (under CUTTING-OFF KEY TELEPHONE SETS THROUGH RUNNING CABLE) with same number as cutting-off key telephone set number.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE FROM STATIONS WHICH MAY BE CUT OFF (KEY TEL. SET)				
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
2	R T	2	O W	O W
3	R T	3	G W	G W
4	R T	4	BR W	BR W
5	R T	5	S W	S W
6	R T	6	BL-W W	BL R

TO CUTTING-OFF KEY TEL. SETS THROUGH RUNNING CABLE				
Cutting-off Key Tel. Set No.	LEAD DESIG. ✕	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	R T	27	BL-O R	O-W W
2	R T	29	BL-BR R	BR-W W
3	R T	31	O-W R	BL-W R
4	R T	33	O-BR R	G-W R
5	R T	35	G-W R	S-W R
6	R T	37	G-S R	O-W BK
7	R T	39	BR-S R	BR-W BK
8	R T	41	BL BK	BL-W Y
9	R T	43	G BK	G-W Y
10	R T	45	S BK	S-W Y

- Notes: ★ Line terminals in key telephone sets to which leads from the cutting-off station will be terminated.
- ✕ Make connections for "A" and "A1" leads as shown on Table 16.05 when connecting to standard running cable and as shown on Table 16.06 when connecting to running cable for systems using 565A key telephone sets only.

TABLE 16.10

KEY CABLE TO RUNNING CABLE—EXCLUSION CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS

Connections Shown Are for Excluding Stations

Make Connections as Shown Below:

FROM EXCLUDING KEY TEL. SET NO.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
1	R T	13	O-BR W	G BK	13	O-BR W	G BK
	A1 A	14	O-S W	BR BK	14	O-S W	BR BK
2	R T	13	O-BR W	G BK	29	BL-BR R	BR-W W
	A1 A	14	O-S W	BR BK	30	BL-S R	S-W W
3	R T	13	O-BR W	G BK	33	O-BR R	G-W R
	A1 A	14	O-S W	BR BK	34	O-S R	BR-W R
4	R T	13	O-BR W	G BK	37	G-S R	O-W BK
	A1 A	14	O-S W	BR BK	38	BR-W R	G-W BK
5	R T	13	O-BR W	G BK	41	BL BK	BL-W Y
	A1 A	14	O-S W	BR BK	42	O BK	O-W Y

TABLE 16.11

KEY CABLE TO RUNNING CABLE—EXCLUSION CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS

Connections Shown Below Are for Lines Which May Be Excluded:

- (A) To determine key cable pair, select the horizontal block (under KEY CABLE) with the same number as the line number in key telephone set.
- (B) To determine running cable pair, select the horizontal block (under EXCLUDING KEY TELEPHONE SETS THROUGH RUNNING CABLE) with same number as excluding key telephone set number.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE FROM EXCLUDED KEY TEL. SETS				
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

TO EXCLUDING KEY TEL. SETS THROUGH RUNNING CABLE				
Exclud- ing Key Tel. Set No.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	R T	27	BL-O R	O-W W
	A1 A	28	BL-G R	G-W W
2	R T	31	O-W R	BL-W R
	A1 A	32	O-G R	O-W R
3	R T	35	G-W R	S-W R
	A1 A	36	G-BR R	BL-W BK
4	R T	39	BR-S R	BR-W BK
	A1 A	40	S-W R	S-W BK
5	R T	43	G BK	G-W Y
	A1 A	44	BR BK	BR-W Y

Note: ★ Line terminals in key telephone sets to which the leads from the excluding station will be terminated.

TABLE 16.12

KEY CABLE TO RUNNING CABLE—EXCLUSION CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS

Connections Shown Below Are for Lines Which May Be Excluded:

- (A) To determine key cable pair, select the horizontal block (under KEY CABLE) with the same number as the line number in key telephone set.
- (B) To determine running cable pair, select the horizontal block (under EXCLUDING KEY TELEPHONE SETS THROUGH RUNNING CABLE) with same number as excluding key telephone set number.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE FROM EXCLUDED KEY TEL. SETS				
Line No. In Key Tel. Set ★	LEAD DESIG.	PAIR NO.	"C"	"D"
			INSIDE WIRING	INSIDE WIRING
			CONDUCTOR COLOR	
1	R T	1	BL W	BL W
	A1 A	7	BL-O W	O R
2	R T	2	O W	O W
	A1 A	8	— BL-G(W)	— G(R)
3	R T	3	G W	G W
	A1 A	8	— W(BL-G)	— R(G)
4	R T	4	BR W	BR W
	A1 A	9	— BL-BR(W)	— BR(R)
5	R T	5	S W	S W
	A1 A	9	— W(BL-BR)	— R(BR)
6	R T	6	BL-W W	BL R
	A1 A	10	— BL-S(W)	— S(R)

TO EXCLUDING KEY TEL. SETS THROUGH RUNNING CABLE				
Excluding Key Tel. Set No.	LEAD DESIG.	PAIR NO.	"C"	"D"
			INSIDE WIRING	INSIDE WIRING
			CONDUCTOR COLOR	
1	R T	27	BL-O R	O-W W
	A1 A	28	BL-G R	G-W W
2	R T	31	O-W R	BL-W R
	A1 A	32	O-G R	O-W R
3	R T	35	G-W R	S-W R
	A1 A	36	G-BR R	BL-W BK
4	R T	39	BR-S R	BR-W BK
	A1 A	40	S-W R	S-W BK
5	R T	43	G BK	G-W Y
	A1 A	44	BR BK	BR-W Y

Note: ★ Line terminals in key telephone sets to which the leads from the excluding station will be terminated.

TABLE 16.13

KEY CABLE TO RUNNING CABLE—COMMON AUDIBLE SIGNAL CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS

Make Connections as Shown Below:

16.13a COMMON AUDIBLE SIGNAL LOCATED WITHIN KEY TELEPHONE SET

NO. OF AUD. SIG. CKT. PROVIDED	TYPE OF CKT.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
1	CONTINUOUS RINGING	R1 B1	12	O-G W	O BK	12	O-G W	O BK
	INTERRUPTED RINGING	R1 B1	12	O-G W	O BK	21	BL R	BL V
2	FIRST AUD. SIG.	R1 B1	12	O-G W	O BK	12	O-G W	O BK
	SECOND AUD. SIG.	R1 B1	12	O-G W	O BK	21	BL R	BL V

16.13b COMMON AUDIBLE SIGNAL LOCATED OUTSIDE KEY TELEPHONE SET

NO. OF AUD. SIG. CKT. PROVIDED	TYPE OF CKT.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
1	CONTINUOUS RINGING	R1 B1	21	BL R	BL V	12	O-G W	O BK
	INTERRUPTED RINGING	R1 B1	21	BL R	BL V	21	BL R	BL V
2	FIRST AUD. SIG.	R1 B1	21	BL R	BL V	12	O-G W	O BK
	SECOND AUD. SIG.	R1 B1	21	BL R	BL V	21	BL R	BL V

TABLE 16.14

KEY CABLE TO RUNNING CABLE—LAMP AND LAMP GROUND CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS—CONNECTIONS ARE ALSO SHOWN FOR DIAL SELECTIVE INTERCOMMUNICATING LINES THAT ARE NOT TO BE EQUIPPED WITH FLASHING LINE LAMPS

- (A) Under normal circumstances, connect the pair number in the key cable to the same pair number in the running cable, as shown.
- (B) In other cases, connect the key cable pair from each line number in the key telephone set to the running cable pair assigned to the desired line number in the system.

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

RUNNING CABLE				
LINE NO. IN SYS.	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	24	BR R	BR V

Notes: * Line terminals in key telephone sets to which the leads from the excluding station will be terminated.
 ✕ 565A key telephone sets only.

TABLE 16.15

KEY CABLE TO RUNNING CABLE—LAMP AND LAMP GROUND CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, AND/OR INTERCOMMUNICATING LINE CIRCUITS—CONNECTIONS ARE ALSO SHOWN FOR DIAL SELECTIVE INTERCOMMUNICATING LINES THAT ARE NOT TO BE EQUIPPED WITH FLASHING LINE LAMPS

(A) Under normal circumstances, connect the pair number in the key cable to the same pair number in the running cable, as shown.

(B) In other cases, connect the key cable pair from each line number in the key telephone set to the running cable pair assigned to the desired line number in the system.

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

RUNNING CABLE				
LINE NO. IN SYS.	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

Note: ★ Line terminals in key telephone sets to which the leads from the excluding station will be terminated.

TABLE 16.16

KEY CABLE TO RUNNING CABLE—STATION RINGER CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR DIAL SELECTIVE INTERCOMMUNICATING LINES—RUNNING CABLES ARE NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

Make Connections as Shown Below:

Dial Sel. Inter-com Line	AUD. SIG. LOCATION		Lead Desig.	KEY CABLE				RUNNING CABLE	
	In Tel. Set	Out-side Tel. Set		Pair No.	"C" INSIDE WIRING	"D" INSIDE WIRING	Pair No.	"C" INSIDE WIRING	"D" INSIDE WIRING
					CONDUCTOR COLOR			CONDUCTOR COLOR	
2	✓		R1 B1	12	O-G W	O BK	22	O R	O V
		✓	R1 B1	21	BL R	BL V	22	O R	O V
3	✓		R1 B1	12	O-G W	O BK	23 22	G(R) R(O)	G(V) V(O)
		✓	R1 B1	21	BL R	BL V	23 22	G(R) R(O)	G(V) V(O)
4	✓		R1 B1	12	O-G W	O BK	23 22	R(G) R(O)	V(G) V(O)
		✓	R1 B1	21	BL R	BL V	23 22	R(G) R(O)	V(G) V(O)
5	✓		R1 B1	12	O-G W	O BK	24 22	BR(R) R(O)	BR(V) V(O)
		✓	R1 B1	21	BL R	BL V	24 22	BR(R) R(O)	BR(V) V(O)
6	✓		R1 B1	12	O-G W	O BK	24 22	R(BR) R(O)	V(BR) V(O)
		✓	R1 B1	21	BL R	BL V	24 22	R(BR) R(O)	V(BR) V(O)
7	✓		R1 B1	12	O-G W	O BK	25 22	S(R) R(O)	S(V) V(O)
		✓	R1 B1	21	BL R	BL V	25 22	S(R) R(O)	S(V) V(O)
8	✓		R1 B1	12	O-G W	O BK	25 22	R(S) R(O)	V(S) V(O)
		✓	R1 B1	21	BL R	BL V	25 22	R(S) R(O)	V(S) V(O)
9	✓		R1 B1	12	O-G W	O BK	26 22	BL-W(R) R(O)	BL-W(W) V(O)
		✓	R1 B1	21	BL R	BL V	26 22	BL-W(R) R(O)	BL-W(W) V(O)
0	✓		R1 B1	12	O-G W	O BK	26 22	R(BL-W) R(O)	W(BL-W) V(O)
		✓	R1 B1	21	BL R	BL V	26 22	R(BL-W) R(O)	W(BL-W) V(O)

TABLE 16.17

KEY CABLE TO RUNNING CABLE—STATION RINGER CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR DIAL SELECTIVE INTERCOMMUNICATING LINES—RUNNING CABLES ARE ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

Make Connections as Shown Below:

Dial Sel. Intercom Line	AUD. SIG. LOCATION		Lead Desig.	KEY CABLE			RUNNING CABLE		
	In Tel. Set	Out-side Tel. Set		Pair No.	"C" INSIDE WIRING	"D" INSIDE WIRING	Pair No.	"C" INSIDE WIRING	"D" INSIDE WIRING
					CONDUCTOR COLOR			CONDUCTOR COLOR	
2	✓		R1 B1	12	O-G W	O BK	22	O R	O V
		✓	R1 B1	21	BL R	BL V	22	O R	O V
3	✓		R1 B1	12	O-G W	O BK	23	G R	G V
		✓	R1 B1	21	BL R	BL V	23	G R	G V
4	✓		R1 B1	12	O-G W	O BK	24	BR R	BR V
		✓	R1 B1	21	BL R	BL V	24	BR R	BR V
5	✓		R1 B1	12	O-G W	O BK	25	S R	S V
		✓	R1 B1	21	BL R	BL V	25	S R	S V
6	✓		R1 B1	12	O-G W	O BK	26	BL-W R	BL-W W
		✓	R1 B1	21	BL R	BL V	26	BL-W R	BL-W W
7	✓		R1 B1	12	O-G W	O BK	27	BL-O R	O-W W
		✓	R1 B1	21	BL R	BL V	27	BL-O R	O-W W
8	✓		R1 B1	12	O-G W	O BK	28	BL-G R	G-W W
		✓	R1 B1	21	BL R	BL V	28	BL-G R	G-W W
9	✓		R1 B1	12	O-G W	O BK	29	BL-BR R	BR-W W
		✓	R1 B1	21	BL R	BL V	29	BL-BR R	BR-W W
0	✓		R1 B1	12	O-G W	O BK	30	BL-S R	S-W W
		✓	R1 B1	21	BL R	BL V	30	BL-S R	S-W W

KEY CABLE TO RUNNING CABLE—LINE AND CONTROL CIRCUIT CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, INTERCOMMUNICATING, TIE, AND/OR STATION LINES

TABLE 16.18

Connections Shown Below Are for CO, PBX, Tie, and/or Station Lines Equipped for Automatic Cut-off:

16.18a FIRST LINE IN SET

AUTOMATIC CUT-OFF CKT.	STA. OR GROUP OF STATIONS	LEAD DESIG.	KEY CABLE		RUNNING CABLE			
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
1	RT	A1	1	BL W	BL W	27	BL-O R	O-W W
			2	O W	O W	28	BL-G R	G-W W
2	RT	A1	1	BL W	BL W	29	BL-BR R	BR-W W
			2	O W	O W	30	BL-S R	S-W W
3	RT	A1	1	BL W	BL W	31	O-W R	BL-W R
			2	O W	O W	32	O-G R	O-W R
4	RT	A1	1	BL W	BL W	33	O-BR R	G-W R
			2	O W	O W	34	O-S R	BR-W R
5	RT	A1	1	BL W	BL W	35	G-W R	S-W R
			2	O W	O W	36	G-BR R	BL-W BK

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TABLE 16.18
(Continued)**16.18b SECOND LINE IN SET**

AUTOMATIC CUT-OFF CKT.	STA. OR GROUP OF STATIONS	LEAD DESIG.	KEY CABLE		RUNNING CABLE			
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
1	R T	3	G W	G W	37	G-S R	O-W BK	
	A1 A	4	BR W	BR W	38	BR-W R	G-W BK	
2	R T	3	G W	G W	39	BR-S R	BR-W BK	
	A1 A	4	BR W	BR W	40	S-W R	S-W BK	
3	R T	3	G W	G W	41	BL BK	BL-W Y	
	A1 A	4	BR W	BR W	42	O BK	O-W Y	
4	R T	3	G W	G W	43	G BK	G-W Y	
	A1 A	4	BR W	BR W	44	BR BK	BR-W Y	
5	R T	3	G W	G W	45	S BK	S-W Y	
	A1 A	4	BR W	BR W	46	BL-W BK	BL-W V	

(Continued on Next Page)

TABLE 16.18
(Continued)**16.18c THIRD LINE IN SET**

AUTOMATIC CUT-OFF CKT.	STA. OR GROUP OF STATIONS	LEAD DESIG.	KEY CABLE		RUNNING CABLE			
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
1	R T		5	S W	S W	47	BL-O BK	O-W V
	A1 A		6	BL-W W	BL R	48	BL-G BK	G-W V
2	R T		5	S W	S W	49	BL-BR BK	BR-W V
	A1 A		6	BL-W W	BL R	50	BL-S BK	S-W V
3	R T		5	S W	S W	51	O-W BK	BL-R W
	A1 A		6	BL-W W	BL R	52	O-G BK	O-R W
4	R T		5	S W	S W	53	O-BR BK	G-R W
	A1 A		6	BL-W W	BL R	54	O-S BK	BR-R W
5	R T		5	S W	S W	55	G-W BK	S-R W
	A1 A		6	BL-W W	BL R	56	G-BR BK	BL-R R

(Continued on Next Page)

TABLE 16.18
(Continued)**16.18d FOURTH LINE IN SET**

AUTOMATIC CUT-OFF CKT.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
STA. OR GROUP OF STATIONS							
NO.							
1	R T	7	BL-O W	O R	57	G-S BK	O-R R
	A1 A	8	BL-G W	G R	58	BR-W BK	G-R R
2	R T	7	BL-O W	O R	59	BR-S BK	BR-R R
	A1 A	8	BL-G W	G R	60	S-W BK	S-R R
3	R T	7	BL-O W	O R	61	BL R-W	BL-R BK
	A1 A	8	BL-G W	G R	62	O R-W	O-R BK
4	R T	7	BL-O W	O R	63	G R-W	G-R BK
	A1 A	8	BL-G W	G R	64	BR R-W	BR-R BK
5	R T	7	BL-O W	O R	65	S R-W	S-R BK
	A1 A	8	BL-G W	G R	66	BL-W R-W	BL-R Y

(Continued on Next Page)

TABLE 16.18
(Continued)

16.18e FIFTH LINE IN SET

AUTOMATIC CUT-OFF CKT.	STA. OR GROUP OF STATIONS	LEAD DESIG.	KEY CABLE		RUNNING CABLE			
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
NO.			CONDUCTOR COLOR			CONDUCTOR COLOR		
1	R T		9	BL-BR W	BR R	67	BL-O R-W	O-R Y
	A1 A		10	BL-S W	S R	68	BL-G R-W	G-R Y
2	R T		9	BL-BR W	BR R	69	BL-BR R-W	BR-R Y
	A1 A		10	BL-S W	S R	70	BL-S R-W	S-R Y
3	R T		9	BL-BR W	BR R	71	O-W R-W	BL-R V
	A1 A		10	BL-S W	S R	72	O-G R-W	O-R V
4	R T		9	BL-BR W	BR R	73	O-BR R-W	G-R V
	A1 A		10	BL-S W	S R	74	O-S R-W	BR-R V
5	R T		9	BL-BR W	BR R	75	G-W R-W	S-R V
	A1 A		10	BL-S W	S R	76	G-BR R-W	R W

TABLE 16.19

KEY CABLE TO RUNNING CABLE—LINE AND CONTROL CIRCUIT CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY — FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, INTERCOMMUNICATING, TIE, AND/OR STATION LINES

Connections Shown Below Are for CO, PBX, Tie, and/or Station Lines Equipped for Automatic Cut-off:

16.19a FIRST LINE IN SET *

AUTOMATIC CUT-OFF CKT. STA. OR GROUP OF STATIONS NO.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
1	R T	1	BL W	BL W	27	BL-O R	O-W W
	A1 A	7	BL-O W	O R	28	BL-G R	G-W W
2	R T	1	BL W	BL W	29	BL-BR R	BR-W W
	A1 A	7	BL-O W	O R	30	BL-S R	S-W W
3	R T	1	BL W	BL W	31	O-W R	BL-W R
	A1 A	7	BL-O W	O R	32	O-G R	O-W R
4	R T	1	BL W	BL W	33	O-BR R	G-W R
	A1 A	7	BL-O W	O R	34	O-S R	BR-W R
5	R T	1	BL W	BL W	35	G-W R	S-W R
	A1 A	7	BL-O W	O R	36	G-BR R	BL-W BK

(Continued on Next Page)

TABLE 16.19
(Continued)
16.19b SECOND LINE IN 565A KEY TELEPHONE SET

AUTOMATIC CUT-OFF CKT.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
STA. OR GROUP OF STATIONS							
NO.							
1	R T	2	O W	O W	37	G-S R	O-W BK
	A1 A	— 8	— BL-G(W)	— G(R)	38	BR-W R	G-W BK
2	R T	2	O W	O W	39	BR-S R	BR-W BK
	A1 A	— 8	— BL-G(W)	— G(R)	40	S-W R	S-W BK
3	R T	2	O W	O W	41	BL BK	BL-W Y
	A1 A	— 8	— BL-G(W)	— G(R)	42	O BK	O-W Y
4	R T	2	O W	O W	43	G BK	G-W Y
	A1 A	— 8	— BL-G(W)	— G(R)	44	BR BK	BR-W Y
5	R T	2	O W	O W	45	S BK	S-W Y
	A1 A	— 8	— BL-G(W)	— G(R)	46	BL-W BK	BL-W V

(Continued on Next Page)

TABLE 16.19
(Continued)**16.19c THIRD LINE IN 565A KEY TELEPHONE SET**

AUTOMATIC CUT-OFF CKT.	STA. OR GROUP OF STATIONS	LEAD DESIG.	KEY CABLE		RUNNING CABLE			
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
1	R T	3	G W	G W	47	BL-O BK	O-W V	
	A1 A	— 8	— W(BL-G)	— R(G)	48	BL-G BK	G-W V	
2	R T	3	G W	G W	49	BL-BR BK	BR-W V	
	A1 A	— 8	— W(BL-G)	— R(G)	50	BL-S BK	S-W V	
3	R T	3	G W	G W	51	O-W BK	BL-R W	
	A1 A	— 8	— W(BL-G)	— R(G)	52	O-G BK	O-R W	
4	R T	3	G W	G W	53	O-BR BK	G-R W	
	A1 A	— 8	— W(BL-G)	— R(G)	54	O-S BK	BR-R W	
5	R T	3	G W	G W	55	G-W BK	S-R W	
	A1 A	— 8	— W(BL-G)	— R(G)	56	G-BR BK	BL-R R	

(Continued on Next Page)

TABLE 16.19
(Continued)**16.19d FOURTH LINE IN 565A KEY TELEPHONE SET**

AUTOMATIC CUT-OFF CKT.	STA. OR GROUP OF STATIONS	LEAD DESIG.	KEY CABLE		RUNNING CABLE			
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
1	R T		4	BR W	BR W	57	G-S BK	O-R R
	A1 A		9	— BL-BR(W)	— BR(R)	58	BR-W BK	G-R R
2	R T		4	BR W	BR W	59	BR-S BK	BR-R R
	A1 A		9	— BL-BR(W)	— BR(R)	60	S-W BK	S-R R
3	R T		4	BR W	BR W	61	BL R-W	BL-R BK
	A1 A		9	— BL-BR(W)	— BR(R)	62	O R-W	O-R BK
4	R T		4	BR W	BR W	63	G R-W	G-R BK
	A1 A		9	— BL-BR(W)	— BR(R)	64	BR R-W	BR-R BK
5	R T		4	BR W	BR W	65	S R-W	S-R BK
	A1 A		9	— BL-BR(W)	— BR(R)	66	BL-W R-W	BL-R Y

(Continued on Next Page)

TABLE 16.19
(Continued)**16.19e FIFTH LINE IN 565A KEY TELEPHONE SET**

AUTOMATIC CUT-OFF CKT.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
STA. OR GROUP OF STATIONS							
NO.							
1	R T	5	S W	S W	67	BL-O R-W	O-R Y
	A1 A	— 9	— W(BL-BR)	— R(BR)	68	BL-G R-W	G-R Y
2	R T	5	S W	S W	69	BL-BR R-W	BR-R Y
	A1 A	— 9	— W(BL-BR)	— R(BR)	70	BL-S R-W	S-R Y
3	R T	5	S W	S W	71	O-W R-W	BL-R V
	A1 A	— 9	— W(BL-BR)	— R(BR)	72	O-G R-W	O-R V
4	R T	5	S W	S W	73	O-BR R-W	G-R V
	A1 A	— 9	— W(BL-BR)	— R(BR)	74	O-S R-W	BR-R V
5	R T	5	S W	S W	75	G-W R-W	S-R V
	A1 A	— 9	— W(BL-BR)	— R(BR)	76	G-BR R-W	R W

(Continued on Next Page)

TABLE 16.19
(Continued)**16.19: SIXTH LINE IN 565A KEY TELEPHONE SET**

AUTOMATIC CUT-OFF CKT.	STA. OR GROUP OF STATIONS	LEAD DESIG.	KEY CABLE		RUNNING CABLE			
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR COLOR			CONDUCTOR COLOR	
1	A1 A	R T	6	BL-W W	BL R	77	G-S R-W	★
		A1 A	— 10	— BL-S(W)	— S(R)	78	BR-R R-W	
2	A1 A	R T	6	BL-W W	BL R	79	BR-S R-W	★
		A1 A	— 10	— BL-S(W)	— S(R)	80	S-W R-W	
3	A1 A	R T	6	BL-W W	BL R	81	BL BK-W	★
		A1 A	— 10	— BL-S(W)	— S(R)	82	O BK-W	
4	A1 A	R T	6	BL-W W	BL R	83	G BK-W	★
		A1 A	— 10	— BL-S(W)	— S(R)	84	BR BK-W	
5	A1 A	R T	6	BL-W W	BL R	85	S BK-W	★
		A1 A	— 10	— BL-S(W)	— S(R)	86	BL-W BK-W	

Note: ★ Where more than 76 pairs are required in one cable it will be necessary to use lead-covered cable.

TABLE 16.20

KEY CABLE TO RUNNING CABLE—LAMP AND LAMP GROUND CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CENTRAL OFFICE, PRIVATE BRANCH EXCHANGE, INTERCOMMUNICATING, TIE, AND/OR STATION LINES—WHERE LAMP RESISTANCE UNITS ARE REQUIRED AND ARE MOUNTED IN APPARATUS CABINET—THESE CONNECTIONS ARE ALSO APPLICABLE FOR DIAL SELECTIVE INTERCOMMUNICATING LINES

Make Connections as Shown Below:

16.20α FIRST LINE IN SYSTEM

STA. DESIG.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
A	L LG	16	G-BR W	BL Y	27 16	BL-O(R) W(G-BR)	O-W(W) Y(BL)
B	L LG	16	G-BR W	BL Y	27 16	R(BL-O) W(G-BR)	W(O-W) Y(BL)
C	L LG	16	G-BR W	BL Y	28 16	BL-G(R) W(G-BR)	G-W(W) Y(BL)
D	L LG	16	G-BR W	BL Y	28 16	R(BL-G) W(G-BR)	W(G-W) Y(BL)
E	L LG	16	G-BR W	BL Y	29 16	BL-BR(R) W(G-BR)	BR-W(W) Y(BL)
F	L LG	16	G-BR W	BL Y	29 16	R(BL-BR) W(G-BR)	W(BR-W) Y(BL)
G	L LG	16	G-BR W	BL Y	30 16	BL-S(R) W(G-BR)	S-W(W) Y(BL)
H	L LG	16	G-BR W	BL Y	30 16	R(BL-S) W(G-BR)	W(S-W) Y(BL)
I	L LG	16	G-BR W	BL Y	31 16	O-W(R) W(G-BR)	BL-W(R) Y(BL)
J	L LG	16	G-BR W	BL Y	31 16	R(O-W) W(G-BR)	R(BL-W) Y(BL)
K	L LG	16	G-BR W	BL Y	32 16	O-G(R) W(G-BR)	O-W(R) Y(BL)
L	L LG	16	G-BR W	BL Y	32 16	R(O-G) W(G-BR)	R(O-W) Y(BL)

(Continued on Next Page)

TABLE 16.20
(Continued)

16.20b SECOND LINE IN SYSTEM

STA. DESIG.	LEAD DESIG.	KEY GABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
A	L LG	17	G-S	O	33	O-BR(R)	G-W(R)
			W	Y		W(G-S)	Y(O)
B	L LG	17	G-S	O	33	R(O-BR)	R(G-W)
			W	Y		W(G-S)	Y(O)
C	L LG	17	G-S	O	34	O-S(R)	BR-W(R)
			W	Y		W(G-S)	Y(O)
D	L LG	17	G-S	O	34	R(O-S)	R(BR-W)
			W	Y		W(G-S)	Y(O)
E	L LG	17	G-S	O	35	G-W(R)	S-W(R)
			W	Y		W(G-S)	Y(O)
F	L LG	17	G-S	O	35	R(G-W)	R(S-W)
			W	Y		W(G-S)	Y(O)
G	L LG	17	G-S	O	36	G-BR(R)	BL-W(BK)
			W	Y		W(G-S)	Y(O)
H	L LG	17	G-S	O	36	R(G-BR)	BK(BL-W)
			W	Y		W(G-S)	Y(O)
I	L LG	17	G-S	O	37	G-S(R)	O-W(BK)
			W	Y		W(G-S)	Y(O)
J	L LG	17	G-S	O	37	R(G-S)	BK(O-W)
			W	Y		W(G-S)	Y(O)
K	L LG	17	G-S	O	38	BR-W(R)	G-W(BK)
			W	Y		W(G-S)	Y(O)
L	L LG	17	G-S	O	38	R(BR-W)	BK(G-W)
			W	Y		W(G-S)	Y(O)

(Continued on Next Page)

TABLE 16.20
(Continued)**16.20c THIRD LINE IN SYSTEM**

STA. DESIG.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
A	L LG	18	BR-W W	G Y	39 18	BR-S(R) W(BR-W)	BR-W(BK) Y(G)
B	L LG	18	BR-W W	G Y	39 18	R(BR-S) W(BR-W)	BK(BR-W) Y(G)
C	L LG	18	BR-W W	G Y	40 18	S-W(R) W(BR-W)	S-W(BK) Y(G)
D	L LG	18	BR-W W	G Y	40 18	R(S-W) W(BR-W)	BK(S-W) Y(G)
E	L LG	18	BR-W W	G Y	41 18	BL(BK) W(BR-W)	BL-W(Y) Y(G)
F	L LG	18	BR-W W	G Y	41 18	BK(BL) W(BR-W)	Y(BL-W) Y(G)
G	L LG	18	BR-W W	G Y	42 18	O(BK) W(BR-W)	O-W(Y) Y(G)
H	L LG	18	BR-W W	G Y	42 18	BK(O) W(BR-W)	Y(O-W) Y(G)
I	L LG	18	BR-W W	G Y	43 18	G(BK) W(BR-W)	G-W(Y) Y(G)
J	L LG	18	BR-W W	G Y	43 18	BK(G) W(BR-W)	Y(G-W) Y(G)
K	L LG	18	BR-W W	G Y	44 18	BR(BK) W(BR-W)	BR-W(Y) Y(G)
L	L LG	18	BR-W W	G Y	44 18	BK(BR) W(BR-W)	Y(BR-W) Y(G)

(Continued on Next Page)

TABLE 16.20
(Continued)

16.20d FOURTH LINE IN SYSTEM

STA. DESIG.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
A	L LG	19	BR-S W	BR Y	45 19	S(BK) W(BR-S)	S-W(Y) Y(BR)
B	L LG	19	BR-S W	BR Y	45 19	BK(S) W(BR-S)	Y(S-W) Y(BR)
C	L LG	19	BR-S W	BR Y	46 19	BL-W(BK) W(BR-S)	BL-W(V) Y(BR)
D	L LG	19	BR-S W	BR Y	46 19	BK(BL-W) W(BR-S)	V(BL-W) Y(BR)
E	L LG	19	BR-S W	BR Y	47 19	BL-O(BK) W(BR-S)	O-W(V) Y(BR)
F	L LG	19	BR-S W	BR Y	47 19	BK(BL-O) W(BR-S)	V(O-W) Y(BR)
G	L LG	19	BR-S W	BR Y	48 19	BL-G(BK) W(BR-S)	G-W(V) Y(BR)
H	L LG	19	BR-S W	BR Y	48 19	BK(BL-G) W(BR-S)	V(G-W) Y(BR)
I	L LG	19	BR-S W	BR Y	49 19	BL-BR(BK) W(BR-S)	BR-W(V) Y(BR)
J	L LG	19	BR-S W	BR Y	49 19	BK(BL-BR) W(BR-S)	V(BR-W) Y(BR)
K	L LG	19	BR-S W	BR Y	50 19	BL-S(BK) W(BR-S)	S-W(V) Y(BR)
L	L LG	19	BR-S W	BR Y	50 19	BK(BL-S) W(BR-S)	V(S-W) Y(BR)

(Continued on Next Page)

TABLE 16.20
(Continued)

16.20e FIFTH LINE IN SYSTEM

STA. DESIG.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
A	L LG	20	S-W W	S Y	51 20	O-W(BK) W(S-W)	BL-R(W) Y(S)
B	L LG	20	S-W W	S Y	51 20	BK(O-W) W(S-W)	W(BL-R) Y(S)
C	L LG	20	S-W W	S Y	52 20	O-G(BK) W(S-W)	O-R(W) Y(S)
D	L LG	20	S-W W	S Y	52 20	BK(O-G) W(S-W)	W(O-R) Y(S)
E	L LG	20	S-W W	S Y	53 20	O-BR(BK) W(S-W)	G-R(W) Y(S)
F	L LG	20	S-W W	S Y	53 20	BK(O-BR) W(S-W)	W(G-R) Y(S)
G	L LG	20	S-W W	S Y	54 20	O-S(BK) W(S-W)	BR-R(W) Y(S)
H	L LG	20	S-W W	S Y	54 20	BK(O-S) W(S-W)	W(BR-R) Y(S)
I	L LG	20	S-W W	S Y	55 20	G-W(BK) W(S-W)	S-R(W) Y(S)
J	L LG	20	S-W W	S Y	55 20	BK(G-W) W(S-W)	W(S-R) Y(S)
K	L LG	20	S-W W	S Y	56 20	G-BR(BK) W(S-W)	BL-R(R) Y(S)
L	L LG	20	S-W W	S Y	56 20	BK(G-BR) W(S-W)	R(BL-R) Y(S)

(Continued on Next Page)

TABLE 16.20
(Continued)

16.20f SIXTH LINE IN SYSTEM *

STA. DESIG.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
		PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR			CONDUCTOR COLOR	
A	L LG	15	G-W W	S BK	57 24	G-S(BK) R(BR)	O-R(R) V(BR)
B	L LG	15	G-W W	S BK	57 24	BK(G-S) R(BR)	R(O-R) V(BR)
C	L LG	15	G-W W	S BK	58 24	BR-W(BK) R(BR)	G-R(R) V(BR)
D	L LG	15	G-W W	S BK	58 24	BK(BR-W) R(BR)	R(G-R) V(BR)
E	L LG	15	G-W W	S BK	59 24	BR-S(BK) R(BR)	BR-R(R) V(BR)
F	L LG	15	G-W W	S BK	59 24	BK(BR-S) R(BR)	R(BR-R) V(BR)
G	L LG	15	G-W W	S BK	60 24	S-W(BK) R(BR)	S-R(R) V(BR)
H	L LG	15	G-W W	S BK	60 24	BK(S-W) R(BR)	R(S-R) V(BR)
I	L LG	15	G-W W	S BK	61 24	BL(R-W) R(BR)	BL-R(BK) V(BR)
J	L LG	15	G-W W	S BK	61 24	R-W(BL) R(BR)	BK(BL-R) V(BR)
K	L LG	15	G-W W	S BK	62 24	O(R-W) R(BR)	O-R(BK) V(BR)
L	L LG	15	G-W W	S BK	62 24	R-W(O) R(BR)	BK(O-R) V(BR)

Note: * 565A key telephone sets only.

TABLE 16.21

KEY CABLE TO RUNNING CABLE—LINE AND CONTROL CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR DIAL SELECTIVE INTERCOMMUNICATING LINES EQUIPPED WITH FLASHING LINE LAMPS AND/OR AUTOMATIC CUT-OFF—STATION TWO

Make Connections as Shown Below:

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

**KEY CABLE TO RUNNING CABLE—LINE AND CONTROL CONNECTIONS
BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STAND-
ARD RUNNING CABLE FOR DIAL SELECTIVE INTERCOMMUNICATING LINES
EQUIPPED WITH FLASHING LINE LAMPS AND/OR AUTOMATIC CUT-OFF—
STATION TWO**

TABLE 16.22

Make Connections as Shown Below:

LINE NO. IN SYS.	DIAL SEL. INTER- COM LINE	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
	STA. NO.			CONDUCTOR COLOR			CONDUCTOR COLOR	
1	2	R T	1	BL W	BL W	1	BL W	BL W
		A1 A	7	BL-O W	O R	2	O W	O W
2	2	R T	2	O W	O W	3	G W	G W
		A1 A	8	— BL-G(W)	— G(R)	4	BR W	BR W
3	2	R T	3	G W	G W	5	S W	S W
		A1 A	8	— W(BL-G)	— R(G)	6	BL-W W	BL R
4	2	R T	4	BR W	BR W	7	BL-O W	O R
		A1 A	9	— BL-BR(W)	— BR(R)	8	BL-G W	G R
5	2	R T	5	S W	S W	9	BL-BR W	BR R
		A1 A	9	— W(BL-BR)	— R(BR)	10	BL-S W	S R
6	2	R T	6	BL-W W	BL R	22	O R	O V
		A1 A	10	— BL-S(W)	— S(R)	23	G R	G V

TABLE 16.23

KEY CABLE TO RUNNING CABLE—LINE AND CONTROL CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR DIAL SELECTIVE INTERCOMMUNICATING LINES EQUIPPED WITH FLASHING LINE LAMPS AND/OR AUTOMATIC CUT-OFF—STATION TWO

Make Connections as Shown Below:

LINE NO. IN SYS.	DIAL SEL. INTER-COM LINE STA. NO.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
				CONDUCTOR	COLOR		CONDUCTOR	COLOR
1	2	R T	1	BL W	BL W	1	BL W	BL W
		A1 A	7	BL-O W	O R	7	BL-O W	O R
2	2	R T	2	O W	O W	2	O W	O W
		A1 A	8	— BL-G(W)	— G(R)	8	— W(BL-G)	— G(R)
3	2	R T	3	G W	G W	3	G W	G W
		A1 A	8	— W(BL-G)	— R(G)	8	— BL-G(W)	— R(G)
4	2	R T	4	BR W	BR W	4	BR W	BR W
		A1 A	9	— BL-BR(W)	— BR(R)	9	— BL-BR(W)	— BR(R)
5	2	R T	5	S W	S W	5	S W	S W
		A1 A	9	— W(BL-BR)	— R(BR)	9	— W(BL-BR)	— R(BR)
6	2	R T	6	BL-W W	BL R	6	BL-W W	BL R
		A1 A	10	— BL-S(W)	— S(R)	10	— BL-S(W)	— S(R)

TABLE 16.24

KEY CABLE TO RUNNING CABLE — LINE AND CONTROL CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR DIAL SELECTIVE INTERCOMMUNICATING LINES EQUIPPED WITH EITHER FLASHING LINE LAMPS OR AUTOMATIC CUT-OFF — STATIONS THREE THROUGH ZERO

- (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 intercommunicating circuit will be connected.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with same number as dial selective intercommunicating line station being installed.
- (C) Connect key cable pair (selected in A) to running cable pair (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

RUNNING CABLE				
DIAL SEL. INTER-COM LINE STA. NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR	COLOR
3	R T	27	BL-O R	O-W W
	A1 A	28	BL-G R	G-W W
4	R T	29	BL-BR R	BR-W W
	A1 A	30	BL-S R	S-W W
5	R T	31	O-W R	BL-W R
	A1 A	32	O-G R	O-W R
6	R T	33	O-BR R	G-W R
	A1 A	34	O-S R	BR-W R
7	R T	35	G-W R	S-W R
	A1 A	36	G-BR R	BL-W BK
8	R T	37	G-S R	O-W BK
	A1 A	38	BR-W R	G-W BK
9	R T	39	BR-S R	BR-W BK
	A1 A	40	S-W R	S-W BK
0	R T	41	BL BK	BL-W Y
	A1 A	42	O BK	O-W Y

TABLE 16.25

KEY CABLE TO RUNNING CABLE—LINE AND CONTROL CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR DIAL SELECTIVE INTERCOMMUNICATING LINES EQUIPPED WITH EITHER FLASHING LINE LAMPS OR AUTOMATIC CUT-OFF—STATIONS THREE THROUGH ZERO

- (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 intercommunicating circuit will be connected.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with same number as dial selective intercommunicating line station being installed.
- (C) Connect key cable pair (selected in A) to running cable pair (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	7	BL-O W	O R
2	R T	2	O W	O W
	A1 A	8	— BL-G(W)	— G(R)
3	R T	3	G W	G W
	A1 A	8	— W(BL-G)	— R(G)
4	R T	4	BR W	BR W
	A1 A	9	— BL-BR(W)	— BR(R)
5	R T	5	S W	S W
	A1 A	9	— W(BL-BR)	— R(BR)
6	R T	6	BL-W W	BL R
	A1 A	10	— BL-S(W)	— S(R)

RUNNING CABLE				
DIAL SEL. INTER-COM LINE	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
3	R T	27	BL-O R	O-W W
	A1 A	28	BL-G R	G-W W
4	R T	29	BL-BR R	BR-W W
	A1 A	30	BL-S R	S-W W
5	R T	31	O-W R	BL-W R
	A1 A	32	O-G R	O-W R
6	R T	33	O-BR R	G-W R
	A1 A	34	O-S R	BR-W R
7	R T	35	G-W R	S-W R
	A1 A	36	G-BR R	BL-W BK
8	R T	37	G-S R	O-W BK
	A1 A	38	BR-W R	G-W BK
9	R T	39	BR-S R	BR-W BK
	A1 A	40	S-W R	S-W BK
0	R T	41	BL BK	BL-W Y
	A1 A	42	O BK	O-W Y

TABLE 16.26

KEY CABLE TO RUNNING CABLE—LAMP AND LAMP GROUND CONNECTIONS BETWEEN STANDARD KEY CABLE AND/OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR DIAL SELECTIVE INTERCOMMUNICATING LINES EQUIPPED WITH FLASHING LINE LAMPS—STATION TWO

- (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 intercommunicating circuit will be connected.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with same number as dial selective intercommunicating line station being installed.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

LINE NO. IN SYS.	DIAL SEL. INTERCOM LINE STA. NO.	LEAD DESIG.	KEY CABLE			RUNNING CABLE		
			PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
	CONDUCTOR COLOR			CONDUCTOR COLOR				
1	2	L LG	16	G-BR W	BL Y	16	G-BR W	BL Y
2	2	L LG	17	G-S W	O Y	17	G-S W	O Y
3	2	L LG	18	BR-W W	G Y	18	BR-W W	G Y
4	2	L LG	19	BR-S W	BR Y	19	BR-S W	BR Y
5	2	L LG	20	S-W W	S Y	20	S-W W	S Y
6*	2	L LG	15	G-W W	S BK	24	BR R	BR V

Note: ★ 565A key telephone sets only.

TABLE 16.27

KEY CABLE TO RUNNING CABLE—LAMP AND LAMP GROUND CONNECTIONS BETWEEN STANDARD KEY CABLE AND/OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR DIAL SELECTIVE INTERCOMMUNICATING LINES EQUIPPED WITH FLASHING LINE LAMPS—STATIONS THREE THROUGH ZERO

- (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 intercommunicating circuit will be connected.
- (B) To determine running cable pair, select horizontal block (under **RUNNING CABLE**) with same number as dial selective intercommunicating line station being installed.
- (C) Connect key cable pair (selected in A) to running cable pair (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

RUNNING CABLE				
DIAL SEL. INTER-COM LINE STA. NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
3	L LG	43	G BK	G-W Y
4	L LG	44	BR BK	BR-W Y
5	L LG	45	S BK	S-W Y
6	L LG	46	BL-W BK	BL-W V
7	L LG	47	BL-O BK	O-W V
8	L LG	48	BL-G BK	G-W V
9	L LG	49	BL-BR BK	BR-W V
0	L LG	50	BL-S BK	S-W V

Note: * 565A key telephone sets only.

TABLE 16.28

KEY CABLE TO RUNNING CABLE—SIGNALING KEY CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR PUSH BUTTONS IN KEY TELEPHONE SETS TO SIGNAL DISTANT TERMINALS OF TIE LINES AND/OR STATION LINES

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with same number as line number in system.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	LINE NO. IN SYS.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR					CONDUCTOR COLOR		
COMMON GRD	GRD	11	O-W(W)	BL(BK)	to	—	GRD	2	O(W)	O(W)
4th BUTTON in SET	S	6	W(BL-W)	R(BL)		1	S	2	W(O)	W(O)
5th BUTTON in SET	S	8	W(BL-G)	R(G)		2	S	4	W(BR)	W(BR)
6th BUTTON in SET	S	10	W(BL-S)	R(S)		3	S	6	W(BL-W)	R(BL)
						4	S	8	W(BL-G)	R(G)
						5	S	10	W(BL-S)	R(S)
						6	S	23	R(G)	V(G)

TABLE 16.29

KEY CABLE TO RUNNING CABLE—SIGNALING KEY CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE FOR PUSH BUTTONS IN KEY TELEPHONE SETS TO SIGNAL DISTANT TERMINALS OF TIE LINES AND/OR STATION LINES

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with the same number as line number in system.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	to	LINE NO. IN SYS.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR						CONDUCTOR COLOR	
COMMON GRD	GRD	11	O-W(W)	BL(BK)		—	GRD	2	O(W)	O(W)
4th BUTTON in SET	S	9	BL-BR(W)	BR(R)		1	S	2	W(O)	W(O)
5th BUTTON in SET	S	9	W(BL-BR)	R(BR)		2	S	4	W(BR)	W(BR)
6th BUTTON in SET	S	10	BL-S(W)	S(R)		3	S	6	W(BL-W)	R(BL)
						4	S	8	W(BL-G)	R(G)
						5	S	10	W(BL-S)	R(S)
						6	S	23	R(G)	V(G)

TABLE 16.30

KEY CABLE TO RUNNING CABLE—SIGNALING KEY CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND RUNNING CABLE FOR 565A KEY TELEPHONE SETS ONLY—FOR PUSH BUTTONS IN KEY TELEPHONE SETS TO SIGNAL DISTANT TERMINALS OF TIE LINES AND/OR STATION LINES

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with same number as line number in system.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE				
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	LINE NO. IN SYS.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR					CONDUCTOR COLOR	
COMMON GRD	GRD	11	O-W(W)	BL(BK)	to	—	GRD	7	BL-O(W) O(R)
4th BUTTON in SET	S	9	BL-BR(W)	BR(R)		1	S	7	W(BL-O) R(O)
5th BUTTON in SET	S	9	W(BL-BR)	R(BR)		2	S	8	BL-G(W) G(R)
6th BUTTON in SET	S	10	BL-S(W)	S(R)		3	S	8	W(BL-G) R(G)
						4	S	9	BL-BR(W) BR(R)
						5	S	9	W(BL-BR) R(BR)
						6	S	10	BL-S(W) S(R)

TABLE 16.31

KEY CABLE TO RUNNING CABLE—SIGNALING KEY CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE FOR EXTERNAL SWITCHING KEYS (PUSH BUTTONS) TO SIGNAL DISTANT TERMINALS OF TIE LINES AND/OR STATION LINES—KEY CABLE NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as external signaling key lead number being used.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with same number as line number in system.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
EXTERNAL SIG. KEY LEAD NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	LINE NO. IN SYS.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR					CONDUCTOR COLOR		
-	GRD	22	O	O	to	-	GRD	2	O(W)	O(W)
1	S		R	V						
2	S	23	G	G						
3	S		R	V						
4	S	24	BR	BR	1	S	2	W(O)	W(O)	
5	S		R	V	2	S	4	W(BR)	W(BR)	
6	S	25	S	S	3	S	6	W(BL-W)	R(BL)	
7	S		R	V	4	S	8	W(BL-G)	R(G)	
8	S	26	BL-W	BL-W	5	S	10	W(BL-S)	R(S)	
9	S		R	W	6	S	23	R(G)	V(G)	
10	S	27	BL-O	O-W						
11	S		R	W						
12	S	28	BL-G(R)	G-W(W)						

TABLE 16.32

KEY CABLE TO RUNNING CABLE—SIGNALING KEY CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE FOR EXTERNAL SWITCHING KEYS (PUSH BUTTONS) TO SIGNAL DISTANT TERMINALS OF TIE LINES AND/OR STATION LINES—KEY AND RUNNING CABLES ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as external signaling key lead number being used.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with same number as line number in system.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE				
EXTERNAL SIG. KEY LEAD NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	GRD S	22	O R	O V
2	GRD S	23	G R	G V
3	GRD S	24	BR R	BR V
4	GRD S	25	S R	S V
5	GRD S	26	BL-W R	BL-W W
6	GRD S	27	BL-O R	O-W W
7	GRD S	28	BL-G R	G-W W
8	GRD S	29	BL-BR R	BR-W W
9	GRD S	30	BL-S R	S-W W
10	GRD S	31	O-W R	BL-W R
11	GRD S	32	O-G R	O-W R
12	GRD S	33	O-BR R	G-W R

RUNNING CABLE				
LINE NO. IN SYS.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	GRD S	2	O W	O W
2	GRD S	4	BR W	BR W
3	GRD S	6	BL-W W	BL R
4	GRD S	8	BL-G W	G R
5	GRD S	10	BL-S W	S R
6	GRD S	23	G R	G V

TABLE 16.33

KEY CABLE TO RUNNING CABLE—SIGNALING KEY CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR EXTERNAL SWITCHING KEYS (PUSH BUTTONS) TO SIGNAL DISTANT TERMINALS OF TIE LINES AND/OR STATION LINES—KEY AND RUNNING CABLES NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under **KEY CABLE**) with same number as external signaling key lead number being used.
- (B) To determine running cable pair, select horizontal block (under **RUNNING CABLE**) with same number as line number in system.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
EXTERNAL SIG. KEY LEAD NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	LINE NO. IN SYS.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR					CONDUCTOR COLOR		
—	GRD	22	O	O	to	—	GRD	7	BL-O	O
1	S		R	V						
2	S	23	G	G						
3	S		R	V						
4	S	24	BR	BR		1	S	7	W	R
5	S		R	V		2	S	8	BL-G	G
6	S	25	S	S		3	S		W	R
7	S		R	V		4	S	9	BL-BR	BR
8	S	26	BL-W	BL-W		5	S		W	R
9	S		R	W		6	S	10	BL-S(W)	S(R)
10	S	27	BL-O	O-W						
11	S		R	W						
12	S	28	BL-G(R)	G-W(W)						

TABLE 16.34

KEY CABLE TO RUNNING CABLE—BUZZER CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE OR SELECTIVE SIGNALING BUZZER SYSTEMS—RUNNING CABLE NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) for ringer mounted inside set or ringer mounted outside set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with the same number as buzzer number to be connected.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE				
RINGER MOUNTED	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR	COLOR
IN KEY TEL. SET	R1 B1	12	O-G W	O BK
OUTSIDE KEY TEL. SET	R1 B1	21	BL R	BL V

RUNNING CABLE				
BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR	COLOR
1	R1 B1	22 23	R(O) R(G)	V(O) V(G)
2	R1 B1	22 24	R(O) R(BR)	V(O) V(BR)
3	R1 B1	22 25	R(O) R(S)	V(O) V(S)
4	R1 B1	22 26	R(O) R(BL-W)	V(O) W(BL-W)
5	R1 B1	22 27	R(O) R(BL-O)	V(O) W(O-W)
6	R1 B1	22 28	R(O) R(BL-G)	V(O) W(G-W)
7	R1 B1	22 29	R(O) R(BL-BR)	V(O) W(BR-W)
8	R1 B1	22 30	R(O) R(BL-S)	V(O) W(S-W)
9	R1 B1	22 31	R(O) R(O-W)	V(O) R(BL-W)
10	R1 B1	22 32	R(O) R(O-G)	V(O) R(O-W)
11	R1 B1	22 33	R(O) R(O-BR)	V(O) R(G-W)
12	R1 B1	22 34	R(O) R(O-S)	V(O) R(BR-W)

TABLE 16.35

KEY CABLE TO RUNNING CABLE—BUZZER CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE OR SELECTIVE SIGNALING BUZZER SYSTEMS—RUNNING CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) for ringer mounted inside set or ringer mounted outside set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with the same number as buzzer number to be connected.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE				
RINGER MOUNTED	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
IN KEY TEL. SET	R1 B1	12	O-G W	O BK
OUTSIDE KEY TEL. SET	R1 B1	21	BL R	BL V

RUNNING CABLE				
BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	R1 B1	23	G R	G V
2	R1 B1	25	S R	S V
3	R1 B1	27	BL-O R	O-W W
4	R1 B1	29	BL-BR R	BR-W W
5	R1 B1	31	O-W R	BL-W R
6	R1 B1	33	O-BR R	G-W R
7	R1 B1	35	G-W R	S-W R
8	R1 B1	37	G-S R	O-W BK
9	R1 B1	39	BR-S R	BR-W BK
10	R1 B1	41	BL BK	BL-W Y
11	R1 B1	43	G BK	G-W Y
12	R1 B1	45	S BK	S-W Y

TABLE 16.36

KEY CABLE TO RUNNING CABLE—BUZZER CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—RUNNING CABLE NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) for ringer mounted inside set or ringer mounted outside set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with the same number as buzzer number to be connected.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE				
RINGER MOUNTED	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
IN KEY TEL. SET	R1 B1	12	O-G W	O BK
OUTSIDE KEY TEL. SET	R1 B1	21	BL R	BL V

RUNNING CABLE				
BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	R1 B1	22 24	R(O) R(BR)	V(O) V(BR)
2	R1 B1	22 25	R(O) R(S)	V(O) V(S)
3	R1 B1	22 26	R(O) R(BL-W)	V(O) W(BL-W)
4	R1 B1	22 27	R(O) R(BL-O)	V(O) W(O-W)
5	R1 B1	22 28	R(O) R(BL-G)	V(O) W(G-W)
6	R1 B1	22 29	R(O) R(BL-BR)	V(O) W(BR-W)
7	R1 B1	22 30	R(O) R(BL-S)	V(O) W(S-W)
8	R1 B1	22 31	R(O) R(O-W)	V(O) R(BL-W)
9	R1 B1	22 32	R(O) R(O-G)	V(O) R(O-W)
10	R1 B1	22 33	R(O) R(O-BR)	V(O) R(G-W)
11	R1 B1	22 34	R(O) R(O-S)	V(O) R(BR-W)

TABLE 16.37

KEY CABLE TO RUNNING CABLE—BUZZER CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—RUNNING CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under **KEY CABLE**) for ringer mounted inside set or ringer mounted outside set.
- (B) To determine running cable pair, select horizontal block (under **RUNNING CABLE**) with the same number as buzzer number to be connected.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE				
RINGER MOUNTED	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
IN KEY TEL. SET	R1 B1	12	O-G W	O BK
OUTSIDE KEY TEL. SET	R1 B1	21	BL R	BL V

RUNNING CABLE				
BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR	
1	R1 B1	25	S R	S V
2	R1 B1	27	BL-O R	O-W W
3	R1 B1	29	BL-BR R	BR-W W
4	R1 B1	31	O-W R	BL-W R
5	R1 B1	33	O-BR R	G-W R
6	R1 B1	35	G-W R	S-W R
7	R1 B1	37	G-S R	O-W BK
8	R1 B1	39	BR-S R	BR-W BK
9	R1 B1	41	BL BK	BL-W Y
10	R1 B1	43	G BK	G-W Y
11	R1 B1	45	S BK	S-W Y

TABLE 16.38

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR CODE OR SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED IN KEY TELEPHONE SETS—KEY AND RUNNING CABLES NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with the same number as the buzzer to be operated.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR	COLOR				CONDUCTOR	COLOR	
COM-MON GRD	GRD	11	O-W(W)	BL(BK)	to	—	GRD	22	O(R)	O(V)
4th BUTTON IN SET	S	6	W(BL-W)	R(BL)		1	S	23	G(R)	G(V)
						2	S	24	BR(R)	BR(V)
						3	S	25	S(R)	S(V)
						4	S	26	BL-W(R)	BL-W(W)
						5	S	27	BL-O(R)	O-W(W)
						6	S	28	BL-G(R)	G-W(W)
						7	S	29	BL-BR(R)	BR-W(W)
						8	S	30	BL-S(R)	S-W(W)
						9	S	31	O-W(R)	BL-W(W)
						10	S	32	O-G(R)	O-W(R)
						11	S	33	O-BR(R)	G-W(R)
						12	S	34	O-S(R)	BR-W(R)
5th BUTTON IN SET	S	8	W(BL-G)	R(G)						
6th BUTTON IN SET	S	10	W(BL-S)	R(S)						

TABLE 16.39

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR CODE OR SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED IN KEY TELEPHONE SETS—RUNNING CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under **KEY CABLE**) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under **RUNNING CABLE**) with the same number as the buzzer to be operated.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	to	BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR						CONDUCTOR COLOR	
COM-MON GRD	GRD	11	O-W(W)	BL(BK)		—	GRD	22	O(R)	O(V)
4th BUTTON IN SET	S	6	W(BL-W)	R(BL)		1	S	22	R(O)	V(O)
5th BUTTON IN SET	S	8	W(BL-G)	R(G)		2	S	24	R(BR)	V(BR)
6th BUTTON IN SET	S	10	W(BL-S)	R(S)		3	S	26	R(BL-W)	W(BL-W)
						4	S	28	R(BL-G)	W(G-W)
						5	S	30	R(BL-S)	W(S-W)
						6	S	32	R(O-G)	R(O-W)
						7	S	34	R(O-S)	R(BR-W)
						8	S	36	R(G-BR)	BK(BL-W)
						9	S	38	R(BR-W)	BK(G-W)
						10	S	40	R(S-W)	BK(S-W)
						11	S	42	BK(O)	Y(O-W)
						12	S	44	BK(BR)	Y(BR-W)

TABLE 16.40

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED IN KEY TELEPHONE SETS—RUNNING CABLE NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with code signaling K.T.U. and the same number as the buzzer to be operated.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE				
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	EQUIP.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR					CONDUCTOR COLOR	
COMMON GRD	GRD	11	O-W(W)	BL(BK)	to	—	GRD	22	O(R) O(V)
4th BUTTON IN SET	S	6	W(BL-W)	R(BL)		CODE SIG. K.T.U.	S	23	G(R) G(V)
						BUZZER NO. 1	S	24	BR(R) BR(V)
						2	S	25	S(R) S(V)
						3	S	26	BL-W(R) BL-W(W)
						4	S	27	BL-O(R) O-W(W)
						5	S	28	BL-G(R) G-W(W)
						6	S	29	BL-BR(R) BR-W(W)
						7	S	30	BL-S(R) S-W(W)
						8	S	31	O-W(R) BL-W(W)
						9	S	32	O-G(R) O-W(R)
						10	S	33	O-BR(R) G-W(R)
11	S	34	O-S(R) BR-W(R)						
5th BUTTON IN SET	S	8	W(BL-G)	R(G)					
6th BUTTON IN SET	S	10	W(BL-S)	R(S)					

TABLE 16.41

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN STANDARD KEY CABLE AND STANDARD RUNNING CABLE FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED IN KEY TELEPHONE SETS—RUNNING CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with code signaling K.T.U. and the same number as the buzzer to be operated.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	EQUIP.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR					CONDUCTOR COLOR		
COM-MON GRD	GRD	11	O-W(W)	BL(BK)	to	—	GRD	22	O(R)	O(V)
4th BUTTON IN SET	S	6	W(BL-W)	R(BL)		CODE SIG. K.T.U.	S	22	R(O)	V(O)
						BUZZER NO. 1	S	24	R(BR)	V(BR)
						2	S	26	R(BL-W)	W(BL-W)
						3	S	28	R(BL-G)	W(G-W)
						4	S	30	R(BL-S)	W(S-W)
						5	S	32	R(O-G)	R(O-W)
						6	S	34	R(O-S)	R(BR-W)
						7	S	36	R(G-BR)	BK(BL-W)
						8	S	38	R(BR-W)	BK(G-W)
						9	S	40	R(S-W)	BK(S-W)
						10	S	42	BK(O)	Y(O-W)
11	S	44	BK(BR)	Y(BR-W)						
5th BUTTON IN SET	S	8	W(BL-G)	R(G)						
6th BUTTON IN SET	S	10	W(BL-S)	R(S)						

TABLE 16.42

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE OR SELECTIVE BUZZER SYSTEMS—SIGNALING KEYS LOCATED IN KEY TELEPHONE SETS—RUNNING CABLE NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with the same number as the buzzer to be operated.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE				
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR					CONDUCTOR COLOR	
COM-MON GRD	GRD	11	O-W(W)	BL(BK)	to	—	GRD	22	O(R) O(V)
4th BUTTON IN SET	S	9	BL-BR(W)	BR(R)		1	S	23	G(R) G(V)
5th BUTTON IN SET	S	9	W(BL-BR)	R(BR)		2	S	24	BR(R) BR(V)
6th BUTTON IN SET	S	10	BL-S(W)	S(R)		3	S	25	S(R) S(V)
						4	S	26	BL-W(R) BL-W(W)
						5	S	27	BL-O(R) O-W(W)
						6	S	28	BL-G(R) G-W(W)
						7	S	29	BL-BR(R) BR-W(W)
						8	S	30	BL-S(R) S-W(W)
						9	S	31	O-W(R) BL-W(R)
						10	S	32	O-G(R) O-W(R)
						11	S	33	O-BR(R) G-W(R)
						12	S	34	O-S(R) BR-W(R)

TABLE 16.43

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE OR SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED IN KEY TELEPHONE SETS—RUNNING CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with the same number as the buzzer to be operated.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	
			CONDUCTOR COLOR					CONDUCTOR COLOR		
COM- MON GRD	GRD	11	O-W(W)	BL(BK)	to	—	GRD	22	O(R)	O(V)
4th BUTTON IN SET	S	9	BL-BR(W)	BR(R)		1	S	22	R(O)	V(O)
5th BUTTON IN SET	S	9	W(BL-BR)	R(BR)		2	S	24	R(BR)	V(BR)
6th BUTTON IN SET	S	10	BL-S(W)	S(R)		3	S	26	R(BL-W)	W(BL-W)
						4	S	28	R(BL-G)	W(G-W)
						5	S	30	R(BL-S)	W(S-W)
						6	S	32	R(O-G)	R(O-W)
						7	S	34	R(O-S)	R(BR-W)
						8	S	36	R(G-BR)	BK(BL-W)
						9	S	38	R(BR-W)	BK(G-W)
						10	S	40	R(S-W)	BK(S-W)
						11	S	42	BK(O)	Y(O-W)
						12	S	44	BK(BR)	Y(BR-W)

TABLE 16.44

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED IN KEY TELEPHONE SETS—RUNNING CABLE NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with code signaling K.T.U. and the same number as the buzzer to be operated.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	to	EQUIP.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR						CONDUCTOR COLOR	
COM-MON GRD	GRD	11	O-W(W)	BL(BK)		—	GRD	22	O(R)	O(V)
4th BUTTON IN SET	S	9	BL-BR(W)	BR(R)		CODE SIG. K.T.U.	S	23	G(R)	G(V)
						BUZZER NO. 1	S	24	BR(R)	BR(V)
						2	S	25	S(R)	S(V)
						3	S	26	BL-W(R)	BL-W(W)
						4	S	27	BL-O(R)	O-W(W)
						5	S	28	BL-G(R)	G-W(W)
						6	S	29	BL-BR(R)	BR-W(W)
						7	S	30	BL-S(R)	S-W(W)
						8	S	31	O-W(R)	BL-W(R)
						9	S	32	O-G(R)	O-W(R)
						10	S	33	O-BR(R)	G-W(R)
	11	S	34	O-S(R)	BR-W(R)					
5th BUTTON IN SET	S	9	W(BL-BR)	R(BR)						
6th BUTTON IN SET	S	10	BL-S(W)	S(R)						

TABLE 16.45

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED IN KEY TELEPHONE SETS—RUNNING CABLE ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

- (A) To determine key cable pair, select horizontal block (under KEY CABLE) with same number as button in key telephone set.
- (B) To determine running cable pair, select horizontal block (under RUNNING CABLE) with code signaling K.T.U. and the same number as the buzzer to be operated.
- (C) Connect key cable pair (selected in A) to running cable pair (selected in B).

KEY CABLE					RUNNING CABLE					
CONN. FOR	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	to	EQUIP.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR	COLOR					CONDUCTOR	COLOR
COM-MON GRD	GRD	11	O-W(W)	BL(BK)		—	GRD	22	O(R)	O(V)
4th BUTTON IN SET	S	9	BL-BR(W)	BR(R)		CODE SIG. K.T.U.	S	22	R(O)	V(O)
						BUZZER NO. 1	S	24	R(BR)	V(BR)
						2	S	26	R(BL-W)	W(BL-W)
						3	S	28	R(BL-G)	W(G-W)
						4	S	30	R(BL-S)	W(S-W)
5th BUTTON IN SET	S	9	W(BL-BR)	R(BR)		5	S	32	R(O-G)	R(O-W)
						6	S	34	R(O-S)	R(BR-W)
6th BUTTON IN SET	S	10	BL-S(W)	S(R)		7	S	36	R(G-BR)	BK(BL-W)
						8	S	38	R(BR-W)	BK(G-W)
						9	S	40	R(S-W)	BK(S-W)
						10	S	42	BK(O)	Y(O-W)
						11	S	44	BK(BR)	Y(BR-W)

TABLE 16.46

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE OR SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED OUTSIDE KEY TELEPHONE SETS—KEY AND RUNNING CABLES NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

Connect Key Cable Pairs to Running Cable Pairs as Shown Below:

KEY CABLE					RUNNING CABLE				
EXTERNAL SIG. KEY LEAD NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR					CONDUCTOR COLOR	
—	GRD	22	O	O	—	GRD	22	O(R)	O(V)
1	S		R	Y	1	S	23	G(R)	G(V)
2	S	23	G	G	2	S	24	BR(R)	BR(V)
3	S		R	V	3	S	25	S(R)	S(V)
4	S	24	BR	BR	4	S	26	BL-W(R)	BL-W(W)
5	S		R	V	5	S	27	BL-O(R)	O-W(W)
6	S	25	S	S	6	S	28	BL-G(R)	G-W(W)
7	S		R	V	7	S	29	BL-BR(R)	BR-W(W)
8	S	26	BL-W	BL-W	8	S	30	BL-S(R)	S-W(W)
9	S		R	W	9	S	31	O-W(R)	BL-W(R)
10	S	27	BL-O	O-W	10	S	32	O-G(R)	O-W(R)
11	S		R	W	11	S	33	O-BR(R)	G-W(R)
12	S	28	BL-G(R)	G-W(W)	12	S	34	O-S(R)	BR-W(R)

TABLE 16.47

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED OUTSIDE KEY TELEPHONE SETS—KEY AND RUNNING CABLES ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

Connect Key Cable Pairs to Running Cable Pairs as Shown Below:

KEY CABLE					RUNNING CABLE				
EXTERNAL SIG. KEY LEAD NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	BUZZER NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR					CONDUCTOR COLOR	
1	GRD S	22	O R	O V	1	GRD S	22	O R	O V
2	GRD S	23	G R	G V	2	GRD S	24	BR R	BR V
3	GRD S	24	BR R	BR V	3	GRD S	26	BL-W R	BL-W W
4	GRD S	25	S R	S V	4	GRD S	28	BL-G R	G-W W
5	GRD S	26	BL-W R	BL-W W	5	GRD S	30	BL-S R	S-W W
6	GRD S	27	BL-O R	O-W W	6	GRD S	32	O-G R	O-W R
7	GRD S	28	BL-G R	G-W W	7	GRD S	34	O-S R	BR-W R
8	GRD S	29	BL-BR R	BR-W W	8	GRD S	36	G-BR R	BL-W BK
9	GRD S	30	BL-S R	S-W W	9	GRD S	38	BR-W R	G-W BK
10	GRD S	31	O-W R	BL-W W	10	GRD S	40	S-W R	S-W BK
11	GRD S	32	O-G R	O-W R	11	GRD S	42	O BK	O-W Y
12	GRD S	33	O-BR R	G-W R	12	GRD S	44	BR BK	BR-W Y

TABLE 16.48

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED OUTSIDE KEY TELEPHONE SETS—KEY AND RUNNING CABLES NOT ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

Connect Key Cable Pairs to Running Cable Pairs as Shown Below:

KEY CABLE					RUNNING CABLE				
EXTERNAL SIG. KEY LEAD NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	EQUIP.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR COLOR					CONDUCTOR COLOR	
—	GRD	22	O	O	—	GRD	22	O(R)	O(V)
1	S		R	V	CODE SIG. K.T.U.	S	23	G(R)	G(V)
2	S	23	G	G	BUZZER NO. 1	S	24	BR(R)	BR(V)
3	S		R	V	2	S	25	S(R)	S(V)
4	S	24	BR	BR	3	S	26	BL-W(R)	BL-W(W)
5	S		R	V	4	S	27	BL-O(R)	O-W(W)
6	S	25	S	S	5	S	28	BL-G(R)	G-W(W)
7	S		R	V	6	S	29	BL-BR(R)	BR-W(W)
8	S	26	BL-W	BL-W	7	S	30	BL-S(R)	S-W(W)
9	S		R	W	8	S	31	O-W(R)	BL-W(R)
10	S	27	BL-O	O-W	9	S	32	O-G(R)	O-W(R)
11	S		R	W	10	S	33	O-BR(R)	G-W(R)
12	S	28	BL-G(R)	G-W(W)	11	S	34	O-S(R)	BR-W(R)

TABLE 16.49

KEY CABLE TO RUNNING CABLE—SIGNALING CONNECTIONS BETWEEN STANDARD KEY CABLE OR KEY CABLE FOR 565A KEY TELEPHONE SETS ONLY AND STANDARD RUNNING CABLE OR RUNNING CABLE FOR SYSTEMS USING 565A KEY TELEPHONE SETS ONLY—FOR CODE AND SELECTIVE SIGNALING BUZZER SYSTEMS—SIGNALING KEYS LOCATED OUTSIDE KEY TELEPHONE SETS—KEY AND RUNNING CABLES ARRANGED TO PERMIT AMPLIFIED TALKING CIRCUITS TO BE RUN THROUGH SAME CABLE

Connect Key Cable Pairs to Running Cable Pairs as Shown Below:

KEY CABLE					RUNNING CABLE				
EXTERNAL SIG. KEY LEAD NO.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING	EQUIP.	LEAD DESIG.	PAIR NO.	"C" INSIDE WIRING	"D" INSIDE WIRING
			CONDUCTOR	COLOR				CONDUCTOR	COLOR
1	GRD S	22	O R	O V	CODE SIG. K.T.U.	GRD S	22	O R	O V
2	GRD S	23	G R	G V	BUZZER NO. 1	GRD S	24	BR R	BR V
3	GRD S	24	BR R	BR V	2	GRD S	26	BL-W R	BL-W W
4	GRD S	25	S R	S V	3	GRD S	28	BL-G R	G-W W
5	GRD S	26	BL-W R	BL-W W	4	GRD S	30	BL-S R	S-W W
6	GRD S	27	BL-O R	O-W W	5	GRD S	32	O-G R	O-W R
7	GRD S	28	BL-G R	G-W W	6	GRD S	34	O-S R	BR-W R
8	GRD S	29	BL-BR R	BR-W W	7	GRD S	36	G-BR R	BL-W BK
9	GRD S	30	BL-S R	S-W W	8	GRD S	38	BR-W R	G-W BK
10	GRD S	31	O-W R	BL-W W	9	GRD S	40	S-W R	S-W BK
11	GRD S	32	O-G R	O-W R	10	GRD S	42	O BK	O-W Y
12	GRD S	33	O-BR R	G-W R	11	GRD S	44	BR BK	BR-W Y