

1A AND 1A1 KEY TELEPHONE SYSTEMS
CUTOFF AND EXCLUSION
KEY AND RUNNING CABLES
TERMINATIONS IN APPARATUS CABINET

1.00 GENERAL

1.01 This section covers connections at the apparatus cabinet for key and running cables using 201A or B bridging unit when the cutoff or exclusion feature is required.

1.02 Connection data for the cutoff key shows the lead designations *R* and *T* only. The *AI*, *A*, *L*, and *LG* leads are not shown because these terminations are not affected by the cutoff feature and are therefore connected in the usual manner.

1.03 Connection data for the exclusion key shows the lead designations *R*, *T*, *B*, and *A*. The *AI*, *L*, and *LG* leads are not shown because these terminations are not affected by the exclusion feature. These leads are therefore connected in the usual manner.

1.04 When connecting a key cable to a running cable, it will be necessary to select the applicable table. For stations using the cutoff feature, Tables 97.01 and 97.02 apply; for stations using the exclusion feature, Tables 97.03 and 97.04 apply.

Example: In the upper section of Table 97.01, Line No. 2 takes Pair 15 in key cable to the apparatus cabinet. In the lower section of Table 97.02, Line No. 2 takes Pair 29 in running cable to the station being cut off. In the lower section of Table 97.01, Line No. 2 takes Pair 3 in key cable to the station being cut off. Similar applications would apply for the exclusion feature.

2.00 REFERENCES

Reference information for this section is given in Section C71.355, 1A1 Key Telephone System, Connection Data, Description and Use.

TABLE 97.01

Key Cable from Cutting-off Station to 201A
or B Bridging Unit and Station Being Cut Off

Cutting-off Station					Apparatus Cabinet
Line No. in System Being Cut Off	From Cutoff Key	Key Cable			Bridging Unit
		Pair No.	C Type	D Type	201A or 201B Terminal
	Lead Desig		Color		
1	R	15	G-W	S	1
	T		W	BK	2
2	R	15	G-W	S	3
	T		W	BK	4
3	R	15	G-W	S	5
	T		W	BK	6
4	R	15	G-W	S	7
	T		W	BK	8
5	R	15	G-W	S	9
	T		W	BK	10
6	R	15	G-W	S	11
	T		W	BK	12

Station Being Cut Off				
Line No. or Pickup Key Position at Station*	From Cutoff Key	Key Cable		
		Pair No.	C Type	D Type
	Lead Desig		Color	
1	R	1	BL	BL
	T		W	W
2	R	3	G	G
	T		W	W
3	R	5	S	S
	T		W	W
4	R	7	BL-O	O
	T		W	R
5	R	9	BL-BR	BR
	T		W	R
6	R	22	O	O
	T		R	V

* Select wiring associated with pickup key position of line that is being cut off and connect this wiring to 201B key telephone unit terminals to which the cutoff line is connected.

Running Cable between:

TABLE 97.02

- Key Cable of Cutting-off Station and 201A or B Bridging Unit
- Bridging Unit and Key Cable of Station Being Cut Off

Cutting-off Station					Apparatus Cabinet
Cutting-off Station	From Cutoff Key	Running Cable			Bridging Unit
		Pair No.	C Type	D Type	201A or B Terminal
Line No.	Lead Desig		Color		
1	R T	15	G-W W	S BK	1 2
2	R T	28	BL-G R	G-W W	3 4
3	R T	30	BL-S R	S-W W	5 6
4	R T	32	O-G R	O-W R	7 8
5	R T	34	O-S R	BR-W R	9 10
6	R T	36	G-BR R	BL-W BK	11 12

Station Being Cut Off				
Station Being Cut Off	From Cutoff Key	Running Cable		
		Pair No.	C Type	D Type
Line No.	Lead Desig		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

TABLE 97.03

Key Cable from Excluding Station
to 201A or B Bridging Unit and
Station Being Excluded

Excluding Station					Apparatus Cabinet
Line No. in System Being Excluded	From Exclusion Key	Pair No.	Key Cable		Bridging Unit 201A or B Terminal
			C Type	D Type	
	Lead Desig		Color		
1	R T	13	O-BR W	G BK	1 2
	B A	14	O-S W	BR BK	3 4
2	R T	13	O-BR W	G BK	5 6
	B A	14	O-S W	BR BK	7 8
3	R T	13	O-BR W	G BK	9 10
	B A	14	O-S W	BR BK	11 12
4	R T	13	O-BR W	G BK	13 14
	B A	14	O-S W	BR BK	15 16
5	R T	13	O-BR W	G BK	17 18
	B A	14	O-S W	BR BK	19 20

Holding Station Being Excluded				
Line No. or Pickup Key Position at Station*	From Exclusion Key	Pair No.	Key Cable	
			C Type	D Type
	Lead Desig		Color	
1	R T	1	BL W	BL W
	B A	2	O W	O W
2	R T	3	G W	G W
	B A	4	BR W	BR W
3	R T	5	S W	S W
	B A	6	BL-W W	BL R
4	R T	7	BL-O W	O R
	B A	8	BL-G W	G R
5	R T	9	BL-BR W	BR R
	B A	10	BL-S W	S R

* See footnote on next page.

(Table 97.03 continued on page 5.)

Key Cable from Excluding Station
to 201A or B Bridging Unit
and Station Being Cut Off

TABLE 97.03 (Contd)

Nonholding Station Being Excluded				
Line No. or Pickup Key Position at Station*	From Exclusion Key	Pair No.	Key Cable	
	Lead Desig		C Type	D Type
			Color	
1	R T	1	BL W	BL W
	B A	2	O W	O W
2	R T	3	G W	G W
	A	T4	W(BR)	W(BR)
3	R T	5	S W	S W
	A	T6	W(BL-W)	R(BL)
4	R T	7	BL-O W	O R
	A	T8	W(BL-G)	R(G)
5	R T	9	BL-BR W	BR R
	A	T10	W(BL-S)	R(S)
6	R T	22	O R	O V
	A	T23	R(G)	V(G)

* Select wiring associated with pickup key position of line that is being excluded and connect this wiring to 201B key telephone unit terminals to which the excluded line is connected.

TABLE 97.04

Running Cable between:

- Key Cable of Excluding Station and 201A or B Bridging Unit
- Bridging Unit and Key Cable of Station Being Excluded

Excluding Station				Equipment Cabinet	
Excluding Station	From Exclusion Key	Running Cable		Bridging Unit	
		Pair No.	C Type		D Type
Line No.	Lead Desig		Color		201A or B Terminal
1	R T	13	O-BR W	G BK	1 2
	B A	14	O-S W	BR BK	3 4
2	R T	29	BL-BR R	BR-W W	5 6
	B A	30	BL-S R	S-W W	7 8
3	R T	33	O-BR R	G-W R	9 10
	B A	34	O-S R	BR-W R	11 12
4	R T	37	G-S R	O-W BK	13 14
	B A	38	BR-W R	G-W BK	15 16
5	R T	41	BL BK	BL-W Y	17 18
	B A	42	O BK	O-W Y	19 20

Station Being Excluded					
Excluded Station	From Exclusion Key	Running Cable			
		Pair No.	C Type	D Type	
Line No.	Lead Desig		Color		
1	R T	27	BL-O R	O-W W	
	B A	28	BL-G R	G-W W	
2	R T	31	O-W R	BL-W R	
	B A	32	O-G R	O-W R	
3	R T	35	G-W R	S-W R	
	B A	36	G-BR R	BL-W BK	
4	R T	39	BR-S R	BR-W BK	
	B A	40	S-W R	S-W BK	
5	R T	43	G BK	G-W Y	
	B A	44	BR BK	BR-W Y	