

## STATION CORDS

### 1.00 GENERAL

**1.01** This section provides general information on station cords. Due to extensive changes marginal arrows have been omitted.

**1.02** At present, three types of cords are being manufactured:

- *Vinyl-jacketed and vinyl-insulated conductors* are used for most cords now being manufactured. Conductor insulation is either a solid or striped color. The jacket of these cords stiffens when exposed to temperatures below 32 degrees F. This is especially noticeable with spring cords; the stiffening of the jacket affects the retractility which consequently becomes more sluggish as the temperature decreases.
- *Neoprene-jacketed and rubber-insulated conductors* are available in certain black cords and may be used on equipment that is exposed to low temperatures.
- *Textile-covered and rubber-insulated conductor cords* have been replaced to a great extent by neoprene and vinyl cords. Textile-covered cords currently being manufactured have a very limited or special application.

### 2.00 CODE NUMBERS

Characters in code numbers for cords, for example H4CJ-50, have the following significance:

- *First character* designates principal use as follows:
  - D — Telephone Set Mounting and Dial Cord
  - H — Handset Cord
  - L — Operator Telephone Set Cord
  - M — Miscellaneous Cord
  - R — Receiver Cord
  - T — Transmitter Cord
  - W — Test Cord
- *Second character* corresponds to number of conductors in cord and may consist of more than one digit.
- *Third character* unit may have one or two letters. This unit is a serial number assigned for ordering purposes only.
- *Dash number* (-50) indicates color.

### 3.00 CORD TABLES

**3.01** Cords associated with station apparatus can be found by referring to Table A.

**TABLE A**  
**CORD TABLES**

Apparatus	Table	Page
Telephone Sets, 200 Series	C	4
Telephone Sets, 300 Series	D	4
Telephone Sets, 400 Series	E	5
Telephone Sets, 500 Series	F	6
Telephone Sets, 600, 700, 5300, and 5400 Series	G	7
Handsets, F Type	H	8
Handsets, G Type	I	10
Associated Station Apparatus	J	11
Receivers	K	12
Switch and Dial	L	13
Head Telephone Sets	M	13
Test Equipment	N	14

**3.02** Vinyl-jacketed cords listed for use with the 400 and 500 series 4- and 6-button telephone sets have been selected from cords that are currently available. In order to follow color code combinations, in some cases it is necessary to use cords with extra conductors. Tape (KS-14090) extra conductors individually and store in set. At connecting block it may be necessary to install additional connecting blocks to terminate spare conductors. *Do not cut off spare conductors.*

#### **4.00 LENGTH OF CORDS**

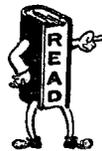
**4.01** Telephone set mounting cords have a standard length of approximately 5-1/2 feet. Some mounting cords are available in 9-, 13-, and 25-foot lengths. Before installing a cord longer than the normal length, employee should exert every possible effort to encourage customer to

install an extension telephone or to move existing telephone to a more desirable location. *The use of long cords may result in unsatisfactory maintenance conditions or may create a hazard if such cords are installed in the vicinity of an aisle, passageway, etc. Avoid installation of long cords near swimming pools, bathrooms, etc.*

**4.02** Do not use 25-foot mounting cords with telephone sets having a dial light transformer, because of added resistance in the lamp circuit.

**4.03** Handset cords, for all except specific uses, have a standard 4-foot length. However, some handset cords are available in 9- and 13-foot lengths. Cords for specific uses such as coin telephone sets, outdoor sets, elevator sets, etc, have been standardized in lengths of less than 4 feet.

#### **5.00 CORD COLORS**



*Cords are available in color to match all current standard color station apparatus (see Table B).*

#### **6.00 SPRING CORDS, MAINTENANCE**

Spring cords have been manufactured in a right- and left-hand direction. In endeavoring to remove kinks, customers may occasionally reverse all or part of the turns, causing the cord to remain stretched further than normal and to lose to a varying degree its retractile qualities. When a cord found in such condition is otherwise satisfactory, reverse all turns back to their proper direction. If the cord does not resume, approximately, its original length and retractile qualities, replace cord.

**TABLE B**  
**STANDARD COLOR STATION APPARATUS**

Color	Code	Tel Sets, 500 Type			Keys 6040, 6050 Type	Coin Collectors 223G, 233G	Speakerphone Components	Tel Sets 600 Type	Tel Set 701B
		Button		Wall Sets					
		0-1	4-6						
Black	3	•	•	•	•	•			
Ivory	50	•	•	•	•		•		
Moss Green	51	•	•	•	•	•	•		
Gray	52	<b>SAGE Handsets Only</b>							
Cherry Red	53	•		•	•		•		
Mahogany Brown	54		•		•		•		
Pastel Yellow	56	•		•	•		•		
White	58	•		•	•		•	•	
Rose Pink	59	•		•	•		•	•	
Light Beige	60	•	•	•	•	•	•	•	
Light Gray	61	•	•	•	•		•	•	
Aqua Blue	62	•					•	•	
Gold	63								
Turquoise	64							•	

**TABLE C**  
**200 SERIES TELEPHONE SETS**  
**MOUNTING CORDS**

Set		Straight Cord	Length	Set		Straight Cord	Length
202	A, B, C, D, E, F, G	D4BD	5'6", 9', 13', 25'	207	A, B, C, D	D6W	5'6", 9', 13', 25'
203	A, B, C, D, E, F	D6W		208		D10J	5'6", 9', 13'
206	A, B, C, D, M, N, P	D9G		5' 6"	215	A, B, C, DC	D4BD
	J, K, L						

**TABLE D**  
**300 SERIES TELEPHONE SETS**  
**MOUNTING CORDS**

Set	Straight Cord	Length	Spring Cord	Length
302	E, F, G, H, AA, AC	D3BP*	D3BR*	5'6", 9', 13'
303	A, B, C, D	D4BK*		
304			5'6", 9', 13', 25'	
305	E, F, G, H	D3BP*	D3BR*	5'6", 9', 13'
306	A, B, C, D, G			
307	A, B, C, E, F, G	D6AA*		
309	A, C			
328	A, C	D14B†		
329	A, C	D10G		
330	A			
332	A, C	D6AA*		
334	C			

\* Cords are equipped with combination stay hook and S hook and should be ordered for field replacement.

† Textile-covered cord.

**TABLE E**  
**400 SERIES TELEPHONE SETS**  
**MOUNTING CORDS**

Set		Straight Cord*	Set	Straight Cord*
401	AA, AC	D4BK†	460	AA, AC BA, BC CA, CC, DA, DC EA, EC, FA, FC, GA, GC, GE, GG, HA, HC, HE, HG JA, JC, KA, KC LA, LC MA, MC, ME, MG, NA, NC
402	A, C	D6AA†		
410	AA, AC BA, BC CA, CC	D4BK† D6AA† D10K		
411	AA, AC BA, BC CA, CC	D6AA† D10K		
412	BC	D10K		
440	AA, AC BA, BC CA, CC, DA, DC EA, EC, EE, EG FA, FC, FE, FG, GA, GC, GE, GG	D10G D23C D27A D14G D17A		
441	AA, AB, BA, BC, CA, CC, DA, DC, EA, EC, FA, FC, GA, GC	D27A		
444	AA, AC EA, EC, EE, EG FA, FC, FE, FG	D19B D18G D17A		
445	AA, AC BA, BC, CA, CC, DA, DC, EA, EC, EE, EG, FA, FC, FE, FG, GA, GC	D28B  D27A		
461	AA, AC, BA, BC, CA, CB, DA, DC, EA, EC FA, FC, GA, GC, HA, HC, JA, JC, KA, KC LA, LC, MA, MC, NA, NC	D28B  D35A  D27A	462	AC, BC
464	GA, GC, GE, GG HA, HC, HE, HG, MA, MC, ME, MG	D28B D25B		
465	AA, AC, BA, BC, CA, CC, DA, DC, EA, EC FA, FC, GA, GC, GE, GG, HA, HC, HE, HG, JA, JC, KA, KC LA, LC, LE, LG, MA, MC, ME, MG, NA, NC, NE, NG	D28B  D35A  D27A	466	AC
				D15D

\* All cords are 5 feet 6 inches long, with exceptions noted, and are available in black only.

† Cords are available in 5-foot 3-inch, 9-foot, 13-foot, and 25-foot lengths and are equipped with combination stay hook and S hook.

**TABLE F**  
**500 SERIES TELEPHONE SETS**  
**MOUNTING CORDS**

Set		Straight Cord	Length	Spring Cord	Length
500	A, B, C, D, E, F, J, K	D3BN	5'3",	D3BS	5'6",
		D3BP*	5'6",		D3BR*
	H L, M, P, U	D4BJ	5'6",	D4BH*	5'6",
		D4BK*	5'6",		5'6",
R, S	D10H	5'3"			
501	A, B, C, D, E, F, J, K	D3BN	5'3",	D3BS	5'6",
		D3BP*	5'6",		D3BR*
	P, U	D4BK*	5'6",	D4BH*	5'3",
	D4BJ	5'6",			
502	A, B	D6AA*	5'3",		
507	A, B	D3BN	5'3",	D3BS	5'6",
509					
510	A, B	D4BJ	5'6",	D4BH*	5'3",
		D4BK*	5'6",		
	E, F	D6AA*	5'3",		
511	A, B	D10H	5'3"		
	C, D	D16D			
532	A, B	D3BN	5'3",	D3BS	5'6",
533		D3BP*	5'6",		D3BR*
535					
536					
540	BA, BB	D14D	5'6"		
544	AA, AB	D25A			
	BA, BB	D19A			

\* Cords are equipped with combination stay hook and S hook and should be ordered for field replacement.

**TABLE F (Cont)**  
**500 SERIES TELEPHONE SETS**  
**MOUNTING CORDS**

Set		Straight Cord	Length
545	B, BB	D24B	5'6"
564	BA, BB	D28A	
	CA, CB, DA, DB	D25A	
	HA, HB	D30A	
	HD	D30B	
565	AA, AB, BA, BB	D34A	
	EA, EB	D31A	
	GA, GB, HA, HB	D40A	
	LA, LB	D37A	
566	FB	D15B	
	MB	D20G	
592	A, B	D18F	
595			

**TABLE G**  
**600, 700, 5300, AND 5400 SERIES TELEPHONE SETS**  
**MOUNTING CORDS**

Set		Straight Cord	Length	Spring Cord	Length	
606	A	D120B	8'			
	B					
630	B					
631	A					D200A
632	A					D94A
634	B					D50B
635	A					D80A
636	B					D120B
638	B					D50B
639	A					D80A
701	B	D4BJ*	5'3", 9', 13'	D4BH*		
		D6AB				
5302	G	D3BP†	5'6", 5'3", 9', 13', 25'	D3BJ†	5'6", 9', 13'	
5304	C					
5306						
5410	AC	D4BD	5'3"			
	BC	D6AA†				
	CC	D10K				

\* For use with 283B plug in portable installations.

† Cords are equipped with combination stay hook and S hook and should be ordered for field replacement.

**TABLE H**  
**F-TYPE HANDSETS**

Hand Set*	Cord		Used With
	Black	Length	
	Vinyl Jacket†		
F1A	H3AS	4', 9', 13'	Telephone sets, 200, 300, and 400 types
F1BR	H3AL‡ H3AT	3'	Coin collectors, 181, 182, 183, 191, 195, 196, and 197 types
F1C	H3AD	1'3"	Outdoor telephone sets, 300, 325, and 326 types
F1E	H3AD	1'3"	Elevator telephone set, 322 type
F1G	H3AS	4', 9', 13'	Telephone sets, 300 and 400 types
F1GR	H3AF‡ H3AR	4', 9' 4', 9', 13'	
F1H	H3AC‡	4'	Test sets, 85A, 86A, 87A and B, and 88A
F1K	H3AP	2'2"	Coin collector stations to combat fraudulent and malicious practices
F2A	H4CA	4'	PBX system equipped with 289B plug
F2B	H4BU		Telephone sets, 307, 309, and 357 types
F2C			Private toll line stations associated with 102-type key equipment
F2D	H4CE	8'	L carrier order wire
F2ER	H4CN	3'	Conversion of nonhandset-type coin collectors to handset type
F2F F2G	H4CE	8'	Order wire of TD-2 microwave system equipped with 289B plug
F3B	H4BY	4', 9', 13'	Telegraph position of toll test board
F3F			Key equipment, 102 type
F3H	H4BW		4-wire private line equipment associated with 102A or 109A key equipment

\* The suffix R in the code number of a handset indicates that it is equipped with spring cord.

† With exceptions noted.

‡ Neoprene-jacketed cord.

TABLE H (Cont)

## F-TYPE HANDSETS

Hand Set*	Cord		Used With
	Black	Length	
	Vinyl Jacket†		
F3J	H4CD	7'	Key equipment, 102A
F3K F3L F3M	H4BW	4', 9', 13'	Push-to-talk handsets
F3N	H4BY	4', 9', 13'	4-wire private line equipment associated with 102A or 109A key equipment
F3P	H5R	4'	102A key equipment
F3AAW	H5E§	5'	Test set, 83A for mobile radio telephone
F3ABW	H6A§		Test equipment for RCA and Motorola mobile telephone
F3ADW	H5T H5L‡	5' 4'3"	Motorola private line radio telephone equipment
F3AEW	H5H‡	3'6"	General Electric mobile telephone systems
F3WW	H5T	5'	Mobile telephone, primarily used with the 41A control unit
F4A	H3AS	4', 9', 13'	(Replaces F1G hand set when better transmission is required)
F4AR	H3AR		
F4B	H3AE	3'	(Replaces F1B hand set when better transmission is required)
F5A	H4BC		(Replaces F2E hand set when better transmission is required)
F6AR	H3AN‡	4'	Telephone sets, 320 type
F6BR	H4CF	4'	Telephone sets, KS-14548 type, and some KS-14476 explosion-proof sets
F6CR	H3AN‡	4'	(Replaces F6A hand set when better transmission is required)

\* The suffix R in the code number of a handset indicates that it is equipped with spring cord.

† With exceptions noted.

‡ Neoprene-jacketed cord.

§ Textile-covered cord.

TABLE I

## G-TYPE HANDSETS

Hand Set*	Cord		Used With
	Vinyl Jacket†	Length	
G1A	H4CL	4', 9', 13'	Telephone sets, 500 and 501 types
G1AR	H4CJ	4'	
G1BR	H4BN‡	3'	Coin collector, 200 type
	H4CP		
G1DR	H4BL	7'	PBX system and order turrets (289 plug)
G1FR	H4BN‡	3'	Telephone set, 570 type
G1G	H4CG	2'2"	Coin collector stations to combat fraudulent and malicious practices
G2AR	H5G‡	4'	Control unit, 47A-3 for MB- and MC-type mobile radio telephones
G2BR	H6C	4', 9', 13'	4-wire circuit systems of the N. Y. Thruway and loudspeaker paging systems
G2CR	H4CM	7'	FAA and private line systems
G2FR	H4BM	4'	Bendix radio pack set
G2GR	H4CJ	4'	2- or 4-wire private line stations
G2HR	H5P	4'	Key equipment, 102A
G3A	H4CL	4', 9', 13'	Color telephone sets, 500 and 501 types The Princess set, 701B
G3AR	H4CJ	4'	
G3BR			Key equipment, 112A, for SAGE
G3CR	H4BL	4'	Key equipment, 700 type
G3DR	H4BL	4'	Key equipment, 112A, for SAGE
G3FR	H4CP	3'	Coin collector, 200 type, long loops
G4A	H4CL	4', 9', 13'	Subscriber stations with shoulder support
G5ER	H5P	4'	Telephone set, 535 type, in <i>very</i> noisy locations
G5JR	H6D	4'	300-type switching system
G5KR	H6E	4', 9', 13'	2A Farm interphone

\* The suffix R in the code number of a handset indicates that handset is equipped with spring cord.

† With exceptions noted.

‡ Neoprene-jacketed cord.

**TABLE J**  
**ASSOCIATED STATION APPARATUS**

Used With	Cord		
	Vinyl Jacket	Length	
Key, 549A	M5J	5'6"	
Key, 549C	D9G		
Key, 6040A and B	D40A		
Key, 6040C	D37A		
Key, 6040D	D20G		
Key Equipment, 111A	D20C*		
	D29B*	4'6"	
Lamp Indicator, 14B	D4BK	2', 5'3", 9', 13', 25'	
Lamp Indicator, 15 type	D3BP	5'6", 9', 13', 25'	
Lamp Indicator, 17A and C			
Lamp Indicator, 17D	D4BK	2', 5'3", 9', 13', 25'	
Lamp Indicator, 18 type			
Lamp Indicator, 20 type	D6W	5'6", 9', 25'	
Lamp Indicator, 21A	D3BP	5'6", 9', 13', 25'	
Lamp Indicator, 21B			
Loudspeaker Set, 100E	Mounting cord	M2CC	5'6"
	Power cord	M2CB	6'
Loudspeaker Set, 100F	Mounting cord	R2DW*	1'3", 3', 6'
	Power cord	KS-149884	6'
Loudspeaker, 758A	R2FK	5'6"	
Plugs, 274 type	D8P*		
Plugs, 283B type	†	5'3", 9', 13', 25'	
Transmitter, 656A	T11A	5'6"	

\* Textile-covered cord.

† Any mounting cord equipped with a wing-band 1-5/8 inch free conductor with No. 144 cord tips can be used.

**TABLE K**  
**RECEIVER CORDS**

Used With	Cord	Length
	Textile Cover	
Dial Tandem Call Announcer System, two receivers in series	R2DP	8'
Head set, chief operator's, to a 29A connecting block	R2DM	6'
Head set, 1005, or a 2A amplifier detector	R2DB	10'
Loudspeaker, 758A	R2FK*	5'6"
Receiver, radio, single sideband, type LC, LU, LE, and the LE transmitter	R2FG	3'6"
Receiver, 706 type	R2DW	1'4", 3', 6'
Receiver, 706 type, coin collectors	R2DY*	3'
Receiver, 716 or 723A	R2FA	2', 4'
Receiver, 716 type, cable splicer's testing equipment	R2BC*	4'
Receiver, 716 type, in series	R2EE	4'3"
Receiver, 717 type, connected to a D-type hand set mounting as an auxiliary receiver	R2CJ	4'
Test Set, J64044A, transmission measuring	R2DA	3'6"
Test Set, 2B, noise measuring	R2DE	4'
Test Sets, 17D, E, and 19 type, 716-type receiver	R2CD	2', 4'
Test Set, 19 type, two 716-type receivers in series	R2CC	4'3"
Test Sets, 54A and B	R2DN	2'6"

\* Vinyl-jacketed cord.

**TABLE L**  
**SWITCH AND DIAL CORDS**

Used With	Cord	Length
		inches
Coin Collectors, 181, 183, 191, 193, 195, 196, 197, and 198 types	D5AF	11
Dial Mountings, 6000F, 6044A, and 6044B	D5AH	2-3/4
Hand Telephone Sets, 211, 212, 213, and 214 types	D3AH	3/8*
Mounting, KS-16705 (drive-up, walk-up)	D9H	1'9"

\* Conductors are 4 inches long.

**TABLE M**  
**HEAD TELEPHONE SET CORDS**

Head Telephone Set	Cord	Length
52A and C	L4BM	5', 7'
52B	L4AH*	10'
52D	L4AK*†	7', 15'
52E	L2Y	4'6"
52FR	L4BK*	7', 10'
53A	L4BJ-52	5'
53AR	L4BG†	
53C	L4BD	
53D	L4BE*	12'
53ER and GR	L4BH*	9', 15'
53F	L3J	5'
1020A	L4U	4', 6'
1020B	L4AY	4'

\* Spring cord.

† Semispring cord.

**TABLE N**  
**TEST EQUIPMENT CORDS**

Used With	Cord	Length
	Textile Cover	
Battery Gauges, 35 and KS-8089	W2BM	1'6"
Dial Hand Test Set, D-81760	W2AK	4'
Hand set, 1011B	W2BT	
Hand set, 1011G	H2A	10"
Key, 6050 series	W50A*	7"
Telephone Set, 600 type		
Test Set, 81A	W2BA	4'
Test Sets, 105A and B	W3AM*	22'

\* Vinyl-jacketed cord.