



CONSTRUCTION AND
MAINTENANCE PRACTICES
OUTSIDE PLANT

SECTION 23

PART 301

STATION CORDS

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301.1 GENERAL: This practice contains general information pertaining to standard types of station cords.

301.1-a Station cord conductors are insulated with rubber or plastic covering. The rubber insulation is normally used on cords having ten or less conductors. This rubber conductor covering is of a solid color such as red, green, blue, white, etc. Single colored conductors have a smooth surface. Conductors having four ridges molded in the surface of the rubber are considered double-colored conductors. The conductors of cords with more than ten conductors are generally insulated with a smooth transparent plastic insulation. Colored yarns underneath the plastic are used to identify the conductors.

301.2 CODING: So that cords may be more easily identified, manufacturers, in general, have assigned letter-number-letter or suffix letter codes which have the following significance.

301.2-a Whitney-Blake Cords. The prefix letter "T" indicates the supplier; the first number refers to the number of conductors; the next two digits denote the type of end preparations; the next letter designates the principal use, i. e., "D" (line cords) for desk set, also handset mounting and telephone set mounting, "H" for handset and "R" for receiver. The remaining digits refer to the jacketed length of cord in inches. The code make-up for retractile cords consists entirely of numbers and contains no letters. The length of the cord is determined by measuring the overall length including the tips.

301.2-b Western Electric Cords. The first character of the code, a letter, designates the principal use; "D" (line cords) for desk set, also handset mounting and telephone set mounting, "H" for handset and "R" for receiver. The second character of the code, a number, corresponds to the number of conductors. The third and fourth characters of the code, a letter or letters, have no special significance and are arbitrarily assigned to indicate variation in physical structure such as insulation, cord tips, etc. In some cases a dash number is used to designate the cord color. Length of cords is determined by the distance measured between the cord ties, or clips.

301.3 LINE CORDS:

Cord Number	Color	Length	Cond.	Make	For Use With -
T301D-66 T301D-112 T301D-172 T301D-292	Black " " "	6' 2" 10' 15' 25'	3 3 3 3	W. B. " " "	N. E. Type H400 and W. E. Type 302 telephone sets.
T302D-66 T302D-114 T302D-174 T302D-294	Black " " "	6' 2" 10' 15' 25'	3 3 3 3	W. B. " " "	A. E. 34A3 and Type 40 telephone sets.
T303D-66 T303D-111 T303D-171 T303D-291	Black " " "	6' 2" 10' 15' 25'	3 3 3 3	W. B. " " "	N. E. H400 and W. E. 302 telephone sets with 283B plug. For jack and plug installations.
T308D-68 T308D-120 T308D-180 T308D-300	Black " " "	6' 3" 10' 15' 25'	3 3 3 3	W. B. " " "	Leich 700- and W. E. 500-type telephone sets.
T315D-68 T315D-120 T315D-180 T315D-300	Black " " "	6' 3" 10' 15' 25'	3 3 3 3	W. B. " " "	Leich 700-type telephone sets with 283B plug. For jack and plug installations.
T316D-68 T316D-120 T316D-180 T316D-320	Black " " "	6' 3" 10' 15' 25'	3 3 3 3	W. B. " " "	Leich 100-type handset telephones.
T318D-70 T318D-120 T318D-180 T318D-300	Black " " "	6' 10' 15' 25'	3 3 3 3	W. B. " " "	A. E. Type 80 telephone sets.
T318D-70-13990 T318D-70-26658 T318D-70-30731 T318D-70-30745 T318D-70-30945 T318D-70-32737 T318D-70-33733 T318D-120-33733 T318D-180-33733 T318D-300-33733 T318D-70-34397	Turquoise Green Ivory Red Blue Beige Grey Grey Grey Grey Yellow	6' 6' 6' 6' 6' 6' 6' 10' 15' 25' 6'	3 3 3 3 3 3 3 3 3 3 3	W. B. " " " " " " " " " " "	A. E. Type 80 colored telephone sets.
T320D-70	Black	6'	3	W. B.	A. E. Type 80 telephone sets with 283B plug. For jack and plug installations.
T320D-70-33733	Grey	6'	3	W. B.	A. E. Type 80 colored telephone sets with 283B plug. For jack and plug installations.

LINE CORDS (Continued)

Cord Number	Color	Length	Cond.	Make	For Use With -
T402D-63	Black	6'	4	W. B.	A. E. 1A desk handsets and N. E. H400 telephone sets with split ringer circuit.
T402D-111	"	10'	4	"	
T402D-171	"	15'	4	"	
T402D-291	"	25'	4	"	
T404D-66	Black	5' 6"	4	W. B.	W. E. 410 and similar sets with 283B plug. For jack and plug installations.
T404D-110	"	10'	4	"	
T404D-170	"	15'	4	"	
T404D-290	"	25'	4	"	
T501D-63	Black	6'	5	W. B.	Various telephone sets requiring 5 conductors for various purposes.
D4AH	Brown	5' 6"	4	W. E.	W. E. 410-type telephone sets.
D4AS	Black	5' 3"	4	W. E.	W. E. 510-type telephone sets. Leich 700-type telephone sets with split ringer circuit.
D6L	Brown	5' 6"	6	W. E.	W. E. 207 desk handsets, used with 23A deaf set amplifier. Also I. C. S. station sets.
D6P	Brown	5' 6"	6	W. E.	W. E. 410-B-type telephone sets. Leich 700-type and N. E. H400-type telephone sets, used with 6030A key.
D6P	"	10'	6	"	
D6P	"	15'	6	"	
D6P	"	25'	6	"	
D6S	Black	5' 3"	6	W. E.	W. E. 510-type telephone sets.
D8M	Brown	5' 6"	8	W. E.	W. E. 410-C-type telephone sets.
D9B	Brown	5' 6"	9	W. E.	W. E. 549-C key.
D10G	Brown	5' 6"	10	W. E.	W. E. 440-type telephone sets.
D14G	Brown	5' 6"	14	W. E.	W. E. 440-type telephone sets.
D17A	Brown	5' 6"	17	W. E.	W. E. 440-type telephone sets.
D18A	Brown	5' 6"	18	W. E.	W. E. 460-type telephone sets.
D18G	Brown	5' 6"	18	W. E.	W. E. 444-type telephone sets.
D19B	Brown	5' 6"	19	W. E.	W. E. 444- and 460-type telephone sets.
D23C	Brown	5' 6"	23	W. E.	W. E. 440- and 460-type telephone sets.

LINE CORDS (Continued)

Cord Number	Color	Length	Cond.	Make	For Use With -
D25B	Brown	5' 6"	25	W. E.	W. E. 464-type telephone sets.
D27A	Brown	5' 6"	27	W. E.	W. E. 444- and 460-type telephone sets.
D28C	Brown	5' 6"	28	W. E.	W. E. 464-type telephone sets.
D35A	Brown	5' 6"	35	W. E.	W. E. 460-type telephone sets.
301.4 HANDSET CORDS:					
Cord Number	Color	Length	Cond.	Make	For Use With -
H4L	Brown	4'	4	W. E.	D173198 push to listen handset.
H4Y	Black	4'	4	W. E.	N. E. H404 or W. E. F2AW-3 handset with W. E. 289B plug.
H5J	Brown	*7	5	W. E.	W. E. F3P3 push to talk handset for C. A. A. and military installations.
T301H-48	Black	4' 5"	3	W. B.	N. E. H401 handsets.
T302H-48	Black	4' 9"	3	W. B.	W. E. E1 and F1 handsets.
T308H-56	Black	4' 8"	3	W. B.	Leich 100-type handset.
T312H-46	Black	4' 5"	3	W. B.	A. E. 81-type handset.
T401H-54	Black	5' 2"	4	W. B.	Leich 200-series handset for 700-type telephone sets.
T402H-49	Black	5' 2"	4	W. B.	W. E. G1AS handset for 500-type telephone sets.
5001-3	Black	*5'	3	W. B.	N. E. H401, W. E. E1A and F1A handsets. Also all coin collector sets equipped with the above type handsets.
5001-4	Black	*5'	3	W. B.	A. E. 38- and 41-type handsets. Also all coin collector sets equipped with the above type handsets.
5001-13	Black	*10'	3	W. B.	N. E. H800 wall handset. W. E. 211AW suspension handsets.

HANDSET CORDS (Continued)

Cord Number	Color	Length	Cond.	Make	For Use With -
5001-64	Black	*5'	3	W. B.	A. E. 81-type handsets.
5001-74 Beige	Beige	*5'	3	W. B.	A. E. 81-type colored handsets.
5001-74 Ivory	Ivory	*5'	3	"	
5001-74 Yellow	Yellow	*5'	3	"	
5001-74 Turquoise	Turquoise	*5'	3	"	
5001-75 Red	Red	*5'	3	"	
5001-75 Green	Green	*5'	3	"	
5001-75 Blue	Blue	*5'	3	"	
5001-75 Grey	Grey	*5'	3	"	
5022-1	Black	*5'	4	W. B.	Leich 100- and 700-type handsets.
5022-2	Black	*5'	4	W. B.	W. E. 500-type handsets.

* Extended retractile cord

301.5 MISCELLANEOUS CORDS:

Cord Number	Color	Length	Cond.	Make	For Use With -
F50722	Brown	*15'	5	W. E.	53-type telephone set when used per F50721 observation post set.
M5E	Brown	5' 6"	5	W. E.	549A key; W. E. 14B and 20B lamp indicators.
WIT	Black	5'	2	W. E.	W. E. 1012-type hand test set. Waterproof.

* Extended retractile cord