

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G61.170.2**  
**Issue 2, February, 1958**  
**AT&T Co Standard**

# MARKING MAIN FRAME PROTECTORS

## PLASTIC NUMBER PLATES

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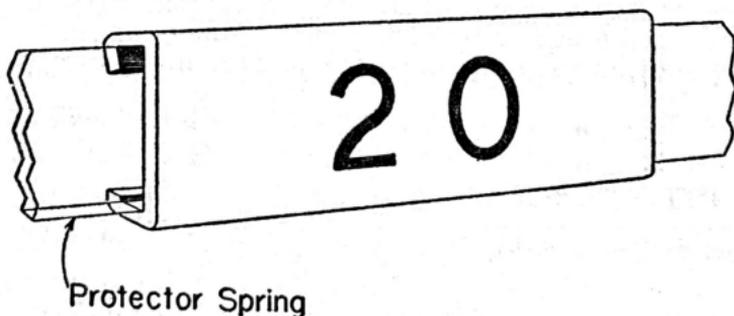
### 1. GENERAL

1.01 This section covers the designation of cable pairs and cable numbers on main frame protectors using plastic number plates. It replaces Issue 1.

### 2. DESCRIPTION AND ORDERING INFORMATION

2.01 **Pair Number Plates:** The plates are made of plastic and shaped to snap into place and grip the protector spring as illustrated below. They have black numerals on a white background.

PAIR NUMBER PLATE



2.02 The number plates are available in three sizes to accommodate the different protector spring widths, as indicated below:

**Type of Protector**

1177  
C and E  
1268 and 1269

**Pair Number Plates**

KS-14534 List 1  
" List 2  
" List 3

2.03 The pair number plates have the designations indicated in the following table. Group A, as the numbers indicate is for numbering cables 1 to 300 or 1 to 303. Group B 301 to 600 or 304 to 606, etc.

GROUP A		
1	101	201
5	102	202
10	105	203
↑	110	205
Steps of 5 ↓	↑	210
	Steps of 5 ↓	↑
100 X1	200 X2	300 303 X3

GROUP B		
301	401	501
304	404	505
305	405	506
310	410	510
↑	415	515
Steps of 5 ↓	↑	↑
	Steps of 5 ↓	Steps of 5 ↓
400 X4	500	605
	X5	606
		X6

GROUP C		
601	701	801
605	705	805
607	707	808
610	708	809
615	710	810
↑	715	815
Steps of 5 ↓	↑	↑
	Steps of 5 ↓	Steps of 5 ↓
700 X7	800	900
	X8	905
		909
		X9

GROUP D		
901	1001	1101
905	1005	1105
910	1010	1110
↑	1011	1111
Steps of 5 ↓	↑	↑
	Steps of 5 ↓	Steps of 5 ↓
1000 X10	1100	1210
	X11	1212
		X12

GROUP E		
1201	1301	1401
1205	1305	1405
1210	1310	1410
1213	1313	1414
1215	1314	1415
1220	1315	1420
↑	1320	↑
Steps of 5 ↓	↑ Steps of 5 ↓	Steps of 5 ↓
1300		1515
X13	1400	X15
	X14	

GROUP F		
1501	1601	1701
1505	1605	1705
1510	1610	1710
1515	1615	1715
1516	1616	1717
1520	1617	1718
1525	1620	1720
↑	1625	1725
Steps of 5 ↓	↑ Steps of 5 ↓	↑ Steps of 5 ↓
1600		
X16	1700	1815
	X17	1818
		X18

GROUP G		
1801	1901	2001
1805	1905	2005
1810	1910	2010
1815	1915	2015
1819	1919	2020
1820	1920	2021
1825	1925	2025
↑	↑	2030
Steps of 5 ↓	Steps of 5 ↓	↑ Steps of 5 ↓
1900	2000	
X19	X20	2120
		2121
		X21

GROUP H		
X1	X8	501
X2	X9	601
X3	X10	701
X4	X11	801
X5	X12	901
X6	201	1001
X7	301	1101
	401	

GROUP J		
X13	X19	1601
X14	X20	1701
X15	X21	1801
X16	1301	1901
X17	1401	2001
X18	1501	

2.04 These plates are packed in envelopes containing 25 like numbered plates. The envelopes are packed in cartons to make up groups in accordance with the above table. The standard listing for the number plates is:

Plate, Number, Pair, KS-14534, List (1, 2 or 3), Group (such as A), set of 25.

**2.05 Cable Number Plates:** The cable number plates are available in three sizes to accommodate the different protector spring widths, as indicated below. The plates have the designations 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9. The designations are in red on a white background.

<u>Type of Protector</u>	<u>Cable Number Plates</u>
1177	KS-14534 List 4
C and E	" List 5
1268 and 1269	" List 6

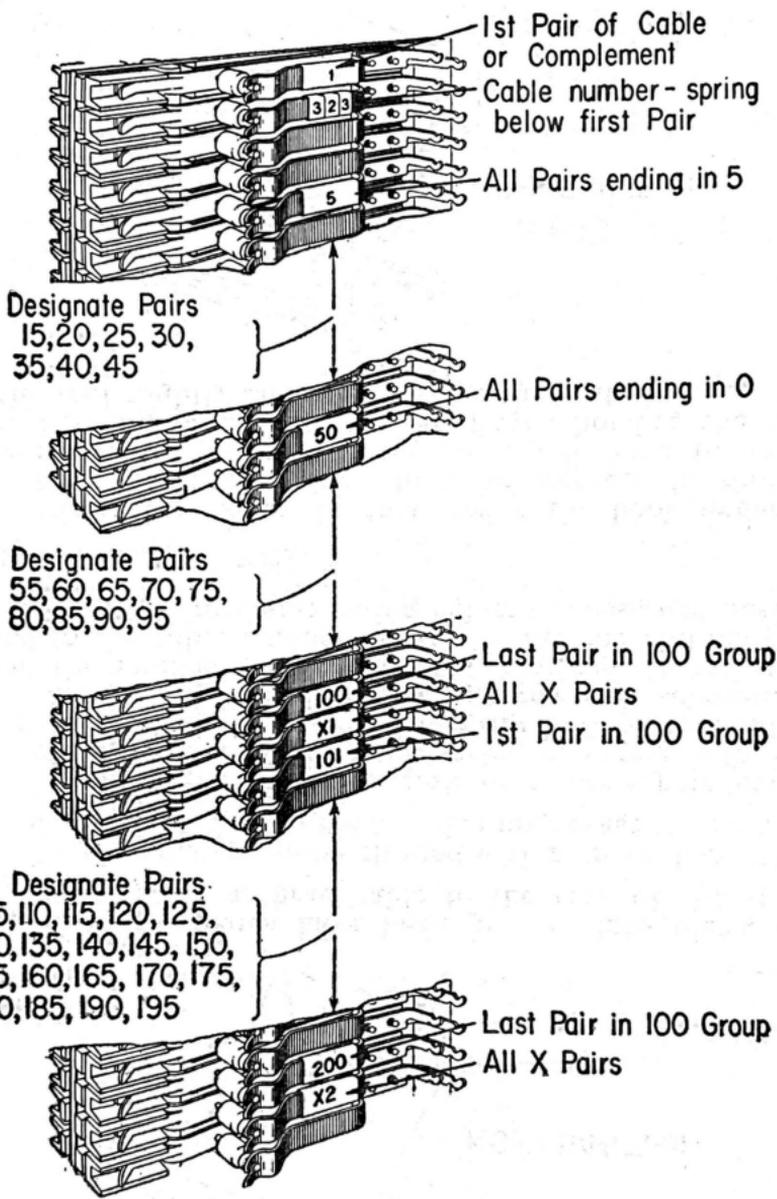
**2.06** The cable number plates are packed in containers containing ten cartons, one carton for each numeral 0 to 9, inclusive. Each carton contains 200 like numbered plates. The standard listing for the cable plates is:

Plate, Number, Cable KS-14534, List (4, 5 or 6), set of 200.

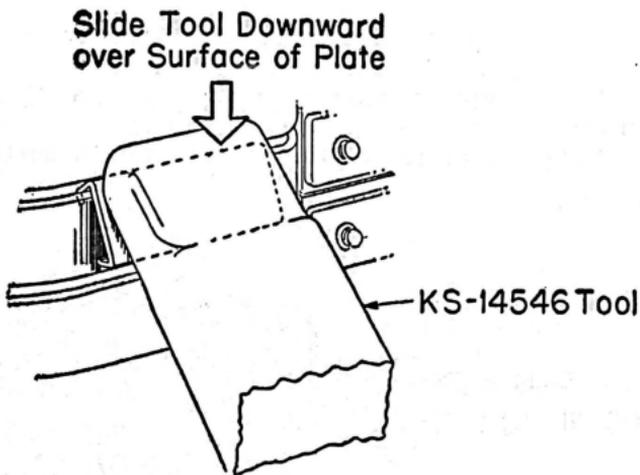
**2.07** KS-14546 Tool: This tool, which is illustrated in Paragraph 3.05, is for use in placing and removing number plates.

### **3. MARKING TERMINATIONS**

**3.01** The pairs to be marked and location of the pair and cable markers are given in section G61.170.1. The marking of a 202-pair cable using the **even pair** count is illustrated below. The same pattern shall be followed in numbering larger cables or complements.



3.02 After a convenient number of plates have been placed on the springs, snap them into position with the rounded edge of the KS-14546 Tool, as shown:



- 3.03 After the plates have been pressed into place, push them as far as practicable to the rear of the spring.
- 3.04 Number plates can be cleaned with a clean damp cloth; **do not use cleaning fluids** which may erase the numbers.
- 3.05 It will be necessary to omit or remove pair number plates from any protector spring equipped with insulating guards which are used to identify and protect Special Service Circuits. If the insulating guards are subsequently removed the number plates should be replaced. If the spring assigned to the cable number plate is in use the plate shall be placed on the first available spring below the assigned position.

#### 4. REMOVING PLATES

4.01 Place the end of the tool having the hook under the plate, as shown. Place the forefinger on the tool and against the plate. Engage the plate and pull down to unhook it and then pull out. With the forefinger holding the plate, raise the tool slightly and then remove the plate.

