

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

**SECTION G59.010.7**  
**Issue 3, October, 1957**  
**AT&T Co Standard**

## LOADING COIL CASES

### SPLICE LOADING COIL CASES — TOLL

Contents	Page
1. General .....	1
2. Splice Loading Coil Cases .....	1

#### 1. GENERAL ↗

- 1.01 This section replaces Issue 2. It lists the various splice loading coil cases used in toll cable plant.
- 1.02 The section has been reissued to advise that the manufacture of the 142A and 165A cases has been discontinued.
- 1.03 The asterisk (\*) indicates the current standard cases. The unmarked items indicate superseded type cases which are still in use, and are included for reference purposes.

#### 2. SPLICE LOADING COIL CASES

##### 2.01 Single Coil and Single Unit Cases

<u>Code Designation</u>	<u>Dimensions (Inches)</u>	<u>Thickness (Inches)</u>	<u>Gauge of Leads</u>
*140A	3-3/16 Diam.	3/4	22
142A	1-7/8 "	1-3/16	19
*166A	8-1/2 x 2-1/2 x 1-1/4		22
*173B	1-15/16	1	24 <span style="float: right;">↘</span>

2.02 **Multicoil Cases:** Consist of several one-coil cases mounted on fibre board. The board may be cut to make smaller loading complements, but the individual cases should not be removed from the strip.

<u>Code Designation</u>	<u>Type Case on Board</u>	<u>No. of Cases</u>	<u>Length (Inches)</u>	<u>Width (Inches)</u>	<u>Thickness (Inches)</u>	<u>Gauge of Leads</u>
*155A	140A	6	18-1/2	2-7/8	1-7/16	19
*155B	140A	4	12-1/4	2-7/8	1-7/16	19
164A	627 or 630	3	10-1/8	3-1/4	1-3/8	19
165A	142A	6	13-5/16	2	13/16	22 <span style="float: right;">↗</span>
*174C	—	6	6-1/4	2 Diam.		24
*174D	—	11	11-1/4	2 Diam.		24 <span style="float: right;">↘</span>

## 2.03 Coaxial Splice Loading Coil Cases: These consist of the various combinations of coils indicated below.

Loading Coil Case	Loading Coil Complement	Coil Positions and Colors of Insulation on Wire Leads			Loading Coil Case	Loading Coil Complement	Coil Positions and Colors of Insulation on Wire Leads		
		Coil Position No. (See note A)	Code No. of Loading Coil	Pair Insulation Same for "IN" and "OUT" Leads			Coil Position No. (See note A)	Code No. of Loading Coil	Pair Insulation Same for "IN" and "OUT" Leads
156A	4 No. 641 4 No. 642 2 No. 643	1	641	Red, Red-White	156K	6 No. 641 1 No. 642 2 No. 643	1	641	Red, Red-White
		2	641	Red, Red-White			2	641	Red, Red-White
		3	642	Blue, Blue-White			3	642	Blue, Blue-White
		4	642	Blue, Blue-White			4	641	Slate, Slate-White
		5	643	Brown, Brown-White			5	643	Brown, Brown-White
		6	643	Brown, Brown-White			6	641	Slate, Slate-White
		7	642	Blue, Blue-White			7	643	Brown, Brown-White
		8	642	Blue, Blue-White			8	641	Orange, Orange-White
		9	641	Orange, Orange-White			9	641	Orange, Orange-White
		10	641	Orange, Orange-White			1	641	Red, Red-White
156B	4 No. 641 2 No. 642	1	641	Red, Red-White	156L	4 No. 641 5 No. 642	2	641	Red, Red-White
		2	641	Red, Red-White			3	642	Blue, Blue-White
		3	642	Blue, Blue-White			4	642	Blue, Blue-White
		4	642	Blue, Blue-White			5	642	Blue, Blue-White
		5	641	Orange, Orange-White			6	642	Blue, Blue-White
		6	641	Orange, Orange-White			7	642	Blue, Orange-White
156C	12 No. 642	642	Bl., Bl.-Wh. on all Pairs			8	641	Orange, Orange-White	
156D	4 No. 641 2 No. 643	1	641	Red, Red-White	156M	12 No. 641	9	641	Orange, Orange-White
		2	641	Red, Red-White			1	641	Red, Red-White
		3	643	Brown, Brown-White			2	641	Red, Red-White
		4	643	Brown, Brown-White			3	641	Slate, Slate-White
		5	641	Orange, Orange-White			4	641	Slate, Slate-White
		6	641	Orange, Orange-White			5	641	Slate, Slate-White
156E	2 No. 641 2 No. 642	1	641	Red, Red-White			6	641	Slate, Slate-White
		2	641	Red, Red-White			7	641	Slate, Slate-White
		3	642	Blue, Blue-White			8	641	Slate, Slate-White
		4	642	Blue, Blue-White			9	641	Slate, Slate-White
156F	4 No. 641 1 No. 642 2 No. 643	1	641	Red, Red-White			10	641	Slate, Slate-White
		2	641	Red, Red-White			11	641	Orange, Orange-White
		3	642	Blue, Blue-White	12	641	Orange, Orange-White		
		4	643	Brown, Brown-White	1	641	Red, Red-White		
		5	643	Brown, Brown-White	2	641	Red, Red-White		
		6	641	Orange, Orange-White	3	641	Slate, Slate-White		
		7	641	Orange, Orange-White	4	641	Slate, Slate-White		
156G	6 No. 641 3 No. 642	1	641	Red, Red-White	156N	10 No. 641 1 No. 643	5	641	Slate, Slate-White
		2	641	Red, Red-White			6	643	Brown, Brown-White
		3	642	Blue, Blue-White			7	641	Slate, Slate-White
		4	641	Slate, Slate-White			8	641	Slate, Slate-White
		5	642	Blue, Blue-White			9	641	Slate, Slate-White
		6	641	Slate, Slate-White			10	641	Orange, Orange-White
		7	642	Blue, Blue-White			11	641	Orange, Orange-White
		8	641	Orange, Orange-White			1	641	Red, Red-White
		9	641	Orange, Orange-White			2	641	Red, Red-White
		1	641	Red, Red-White			3	642	Blue, Blue-White
		2	641	Red, Red-White			4	642	Blue, Blue-White
156H	2 No. 641 2 No. 642 2 No. 643	3	642	Blue, Blue-White	156P	2 No. 641 9 No. 642 2 No. 643	5	642	Blue, Blue-White
		4	642	Blue, Blue-White			6	642	Blue, Blue-White
		5	643	Brown, Brown-White			7	642	Blue, Blue-White
		6	643	Brown, Brown-White			8	642	Blue, Blue-White
		1	641	Red, Red-White			9	642	Blue, Blue-White
		2	641	Red, Red-White			10	642	Blue, Blue-White
156J	2 No. 641 2 No. 642 1 No. 643	3	642	Blue, Blue-White	11	642	Blue, Blue-White		
		4	642	Blue, Blue-White	12	643	Brown, Brown-White		
		5	643	Brown, Brown-White	13	643	Brown, Brown-White		
		5	643	Brown, Brown-White					

Note A—Coil positions are determined by counting from the "IN" end of the case.

2.04 The coils are housed in a fibre tube to permit installation in the hollow formed by the spliced coaxials. The dimensions of the cases and the method of designation are indicated below.

