

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G50.710.2
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AT&T Co Standard

SPLICE CASES
SEALING WASHERS

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1. GENERAL

1.01 This section describes the sealing washers used in the end seals of 3, 4, 7, 8, 9, 10, 11, and 12 type splice cases. It has been revised to include the new sizes of C Sealing Washers.

1.02 The 3, 4, 7, and 8 splice cases have been superseded by the 20 and 21 types. However, since many of these are still in use, this section retains information on sealing washers used in them. Information on sealing washers used in 20 and 21 type splice cases is contained in Section G50.700.4.

1.03 The polyethylene B and D Sealing Washers which are described in detail in Section G50.700.4 are provided four in a package. The lead C and E Sealing Washers are furnished two in a package. Each package is marked with the name, size, and the diameter of the cable with which it is used such as "C Sealing Washer, Size 318, for use on cable 1.8 inches diameter."

2. DESCRIPTION

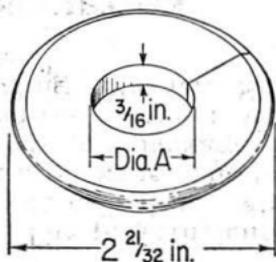
2.01 B and D Sealing Washers. The B and D Sealing Washers are used for making end seals in 9A and 11A splice cases which accommodate cables up to 1.6 inches in diameter. They are described in Section G50.700.4.

2.02 B and D Sealing Washers are also used in 3, 4, 7, 8, 10, and 12 type splice cases in conjunction with E Sealing Washers for making end seals on cables smaller than 1.6 inches in diameter.

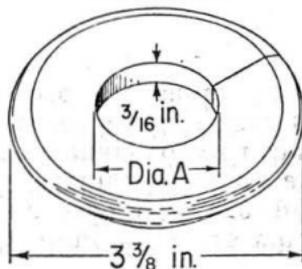
2.03 **C Sealing Washers.** The "300" series is for use in the 3 and 7 type splice cases on cables 1.6 to 2.2 inches in diameter. The "400" series is for use in the 4, 8, 10, and 12 type splice cases on cables 1.6 to 2.9 inches in diameter.

C Sealing Washers

"300" Series



"400" Series



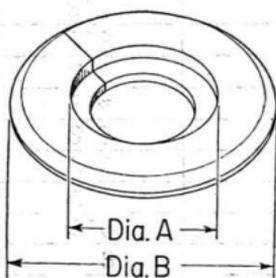
Size	Dia. "A"
300 *	0
311	1.1
312	1.2
313	1.3
314	1.4
315	1.5
316	1.6
317	1.7
318	1.8
319	1.9
320	2.0
321	2.1
322	2.2

*For sealing unused openings in splice cases.

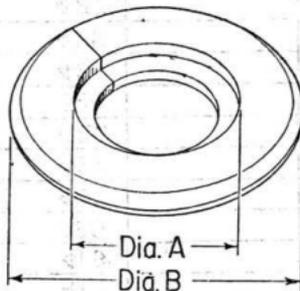
Size	Dia. "A"
400 *	0
416	1.6
417	1.7
418	1.8
419	1.9
420	2.0
421	2.1
422	2.2
423	2.3
424	2.4
425	2.5
426	2.6
427	2.7
428	2.8
429	2.9

2.04 **E Sealing Washers.** These washers are used on cables smaller than 1.6 inches by inserting the proper size B or D **Sealing Washer** in the recess provided. The 3100 series is used in the 3 and 7 type splice cases. The 4100 and 4200 series are used in the 4, 8, 10, and 12 type splice cases.

E Sealing Washers



Series	Dia. A	Dia. B
3100	1½ in.	2⅝ in.



Series	Dia. A	Dia. B
4100	1½ in.	3⅜ in.
4200	2⅛ in.	3⅜ in.

3. USE

3.01 Two sealing washers are required for each end seal in 3, 4, 7, and 8 type splice cases. Four washers are required for each end seal in 9, 10, 11, and 12 type splice cases. The size of the two washers required for the outer seal is shown in the following table. The two additional washers required for the inner seal will be found in the same table immediately above the washer sizes listed for the outer seal. As an example, on a cable 2.4 inches in diameter in a 10A or 12A splice case two No. 424 Sealing Washers would be required for the outer seal and two No. 423 Sealing Washers would be required for the inner seal.

3.02 The table below gives the sealing washers, or combinations of sealing washers used with the full range of cable sizes in all of the large mechanical splice cases.

Sealing Washers for Mechanical Splice Cases

Cable Diameter (over Sheath)	Type of Case		
	3-7 Size	4-8-10-12 Size	9-11 Size
	300	400	200*
.3	3100+ 103	4100+ 103	200*
.4	3100+ 104	4100+ 104	200*
.5	3100+ 105	4100+ 105	200*
.6	3100+ 106	4100+ 106	200*
.7	3100+ 107	4100+ 107	200*
.8	3100+ 108	4100+ 108	200*
.9	3100+ 109	4100+ 109	200*
1.0	3100+ 110	4100+ 110	210
1.1	311	4200+ 211	211
1.2	312	4200+ 212	212
1.3	313	4200+ 213	213
1.4	314	4200+ 214	214
1.5	315	4200+ 215	215
1.6	316	416	216
1.7	317	417	
1.8	318	418	
1.9	319	419	
2.0	320	420	
2.1	321	421	
2.2	322	422	
2.3		423	
2.4		424	
2.5		425	
2.6		426	
2.7		427	
2.8		428	
2.9		429	

Series 100 and 200, B Sealing Washers
 Series 300 and 400, C Sealing Washers
 Series 200*, D Sealing Washers
 Series 3000 and 4000, E Sealing Washers