

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

**SECTION G50.702.5**  
**Issue 1, October, 1956**  
**AT&T Co Standard**

## **SPLICE CASE AND T TYPE CABLE TERMINALS SEALING WASHERS**

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### **1. GENERAL**

1.01 This section describes the polyethylene sealing washers and their use in the end seals surrounding the cable sheath on splice cases and T Type Cable Terminals.

1.02 This section replaces Section G50.622.1.

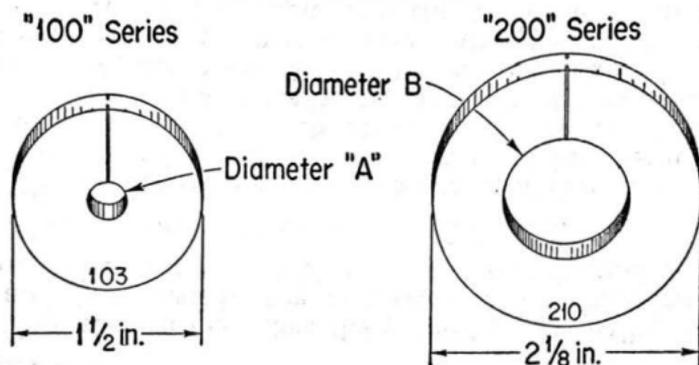
1.03 These polyethylene washers are available in a range of sizes for all cables up to 1.6-inch outside diameter in a graduated series of 1/10-inch steps in the center hole. Previously, a single concentrically grooved washer was furnished with the 1A Splice Case and the TA and TB Type Cable Terminals. It was necessary to select the desired groove and cut out the unwanted portion with the B Washer Cutter.

## 2. DESCRIPTION

2.01 The polyethylene sealing washers are available in two types, as described below.

2.02 **B Sealing Washers** are washers with a center hole and a single radial slit. The "**100**" series having an O.D. of 1-1/2 inches are used with the **1A and 1B Splice Cases and the TA, TB, TE, and TF Cable Terminals**. The "**200**" series having an O.D. of 2-1/8 inches are used with **2A Splice Case and the TC and TD Cable Terminals**. These washers are as shown below.

### B SEALING WASHERS

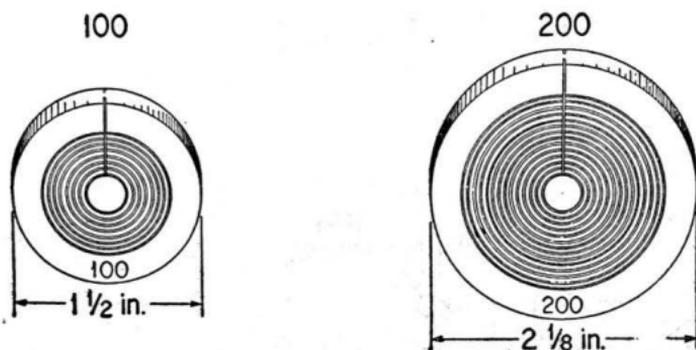


Size	Diameter "A" Inches
103	.3
104	.4
105	.5
106	.6
107	.7
108	.8
109	.9
110	1.0

Size	Diameter "B" Inches
210	1.0
211	1.1
212	1.2
213	1.3
214	1.4
215	1.5
216	1.6

2.03 D Sealing Washers are 1-1/2-inch and 2-1/8-inch concentrically grooved sealing washers of polyethylene with grooves in 1/10-inch steps from .3 in. to 1.0 in. for size 100 and from .3 in. to 1.6 in. for size 200. These washers are used at the end of the cable, to seal the vacant end of the splice or terminal case. They are also used when the correct size of B Sealing Washer is not available. These washers are as shown.

### D SEALING WASHERS



2.04 The B and D Sealing Washers are packed in small quantities of 4 washers of the same size per package sufficient for one installation, and in large quantities of 25 packages (4 washers per package) to a box.

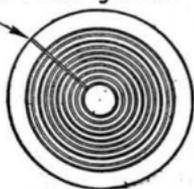
2.05 The diameter of the hole in the B Sealing Washer should be the same as the diameter of the cable and the washer size is selected on this basis. Cable diameters are covered in other sections of the Practices.

### 3. FITTING WASHERS TO CABLE

3.01 The tightness of the end seals is dependent upon the correct choice of washer size; the circular hole in the washer should be as good a fit as possible on the cable. The packages containing the washers specify the size of cable for which the washers are intended; however, if the cable is oversize or undersize a better fit may sometimes be obtained by using the next size larger or smaller washer. Cables that are oval or flattened will become rounded by the pressure of the sealing washers during the application of the splice cases or terminals.

3.02 Where the correct B Sealing Washer is not available use the proper size of D Sealing Washer. The D Sealing Washer has one radial groove and a series of circular concentric grooves. A piece of the discarded sheath from the opening may be used to select the circular groove which will just allow the washer to close around the cable with minimum clearance between the washer and the cable. Slit the washer along the radial groove with the washer cutter. Cut along the circular groove with the washer cutter as shown. If too wide an opening is cut in the washer, discard it and cut a fresh washer. Prepare four washers, two for each end of the splice.

Slit radial groove, then  
start blade into  
circular groove



Blade Guard  
omitted for  
clarity.

