

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

**SECTION G50.735.1**  
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# **BURIED CABLE SPLICING**

## **38-Y-B AND C CABLE CLOSURES**

### **DESCRIPTION**

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#### **1. GENERAL**

1.01 This section describes the 38-Y-B and the 38-Y-C Cable Closures. These closures, with maximum lead sleeve capacities of 8 inches and 4-1/2 inches respectively, are for use in covering aboveground splices in buried toll, trunk or exchange cables. The closures can be made gastight or non-gastight depending on requirements.

1.02 The cable closures are especially recommended for use with paper or pulp insulated cables at loading points or at junction splices where rearrangements and changes are anticipated. They may also be used at straight splices if specified on the detail plans.

1.03 The B and C Cable Closures should be used in buried distribution systems for all aboveground splices in PIC cable that exceed the capacity of the B Buried Cable Terminal or the C Cable Terminal Post.

1.04 The closures should be used for all gastight aboveground splices in buried plant regardless of the conductor insulation. **Gastight** splices are required if any of the conductors have paper or pulp insulation, if the location is subject to flooding or if specified in connection with a pressurization system. PIC cable splices may be made **non-gastight** unless otherwise specified on the detail plans.

1.05 The cable closures shall be located where they are reasonably protected from damage by motor vehicles and other machinery. They should also be located so they are at least 1 foot from metallic fences or similar lightning attractions.

## 2. DESCRIPTION

2.01 The 38-Y-B and C Cable Closures are illustrated in Fig. 1 and Fig. 2. The covers are corrosion resistant steel furnished in dark green baked enamel. The base and base plate are hot dip galvanized. The bases are finished with a black vinyl primer. The base plates, optional parts for use with non-gastight splices, must be ordered separately.

### 38-Y-B CABLE CLOSURE

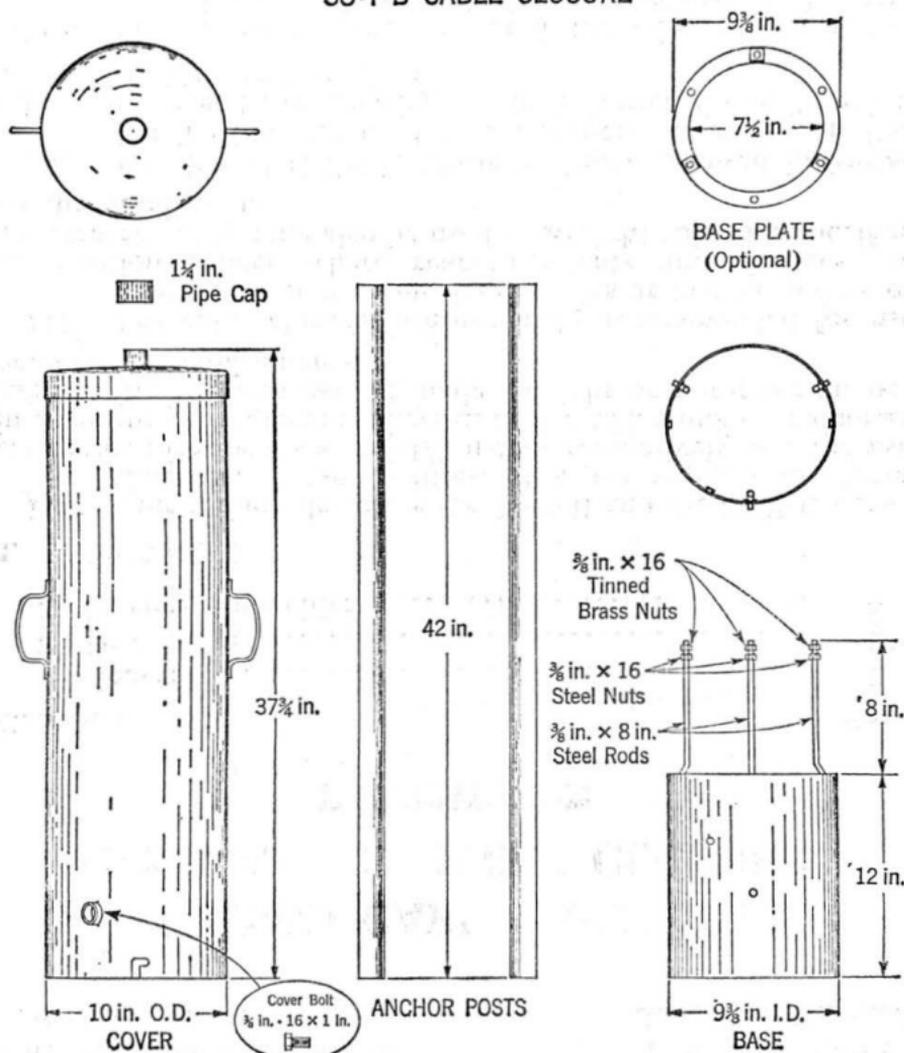
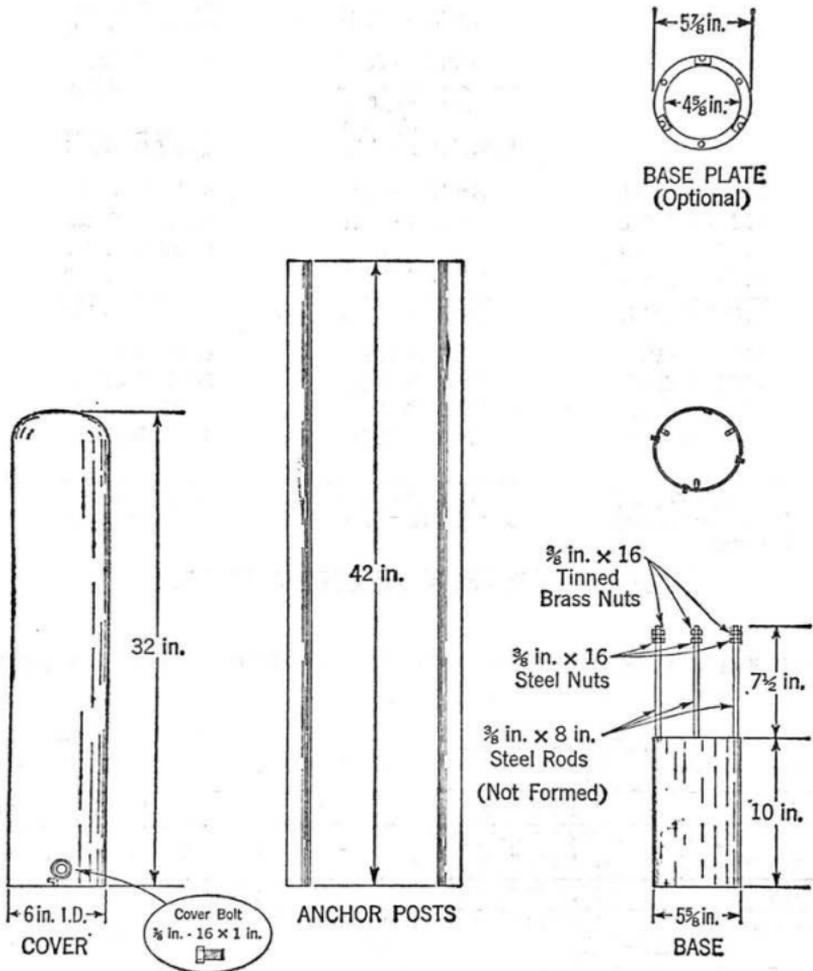


Fig. 1

# 38-Y-C CABLE CLOSURE



**Fig. 2**

### 3. CLOSURE CAPACITIES

3.01 The chart below is provided as a guide for determining the proper size closure to be used. Other combinations of cables that will fit inside an 8-inch lead sleeve (B Closure) or a 4-1/2 inch lead sleeve (C Closure) may also be used. Where it is known initially that a splice is to be increased in size at a later date the B Closure should be specified unless the ultimate requirements are within the capacity of the C Closure.

#### CLOSURE CAPACITIES

Cable Closure (B or C)	Lead Sleeve Size* (Max.)	Cable Sizes (Max.)	
		Main Cable O.D.	Branch Cable O.D.
B (Gastight Splice)	8 in.	1.37 in. to 2.74 in.	2-1.5 in.
B (Non-Gastight Splice)	-	1.84 in. to 2.47 in. (PIC Cable-900 Pr. Max.)	1-2.47 in. & 1-1.49 in. or 3-1.49 in.
C (Gastight Splice)	4½ in.	.39 in. to 1.36 in.	2-.81 in.
C (Non-Gastight Splice)	-	.39 in. to 1.83 in. (PIC Cable-400 Pr. Max.)	1-1.49 in. or 2-1.01 in.

\* Based on use of minimum sized auxiliary sleeves on Alpeth, Stalpeth, PAP or PASP sheath cables.

#### LIST OF CABLES WITHIN SIZE RANGES COVERED ABOVE

<u>Alpeth - PIC</u> <u>(.39" to 1.36")</u>	<u>PAP - PIC .083 MF</u> <u>(.39" to 1.36")</u>	<u>Stalpeth - (Paper )</u> <u>(.39" to 1.36")</u>
11-26 to 400-26	11-26 to 300-26	51-26 to 404-26
11-24 to 200-24	11-24 to 200-24	51-24 to 303-24
11-22 to 150-22	11-22 to 100-22	26-22 to 152-22
6-19 to 75-19	6-19 to 50-19	16-19 to 76-19
<u>(1.37" to 1.83")</u>	<u>(1.37" to 2.74")</u>	<u>(1.37" to 2.74")</u>
600-26	400-26 to 900-26	606-26 to 909-26
300-24 to 400-24	300-24 to 900-24	404-24 to 909-24
200-22 to 300-22	150-22 to 600-22	202-22 to 909-22
100-19 to 150-19	75-19 to 300-19	101-19 to 455-19
<u>(1.84" to 2.47")</u>	<u>PAP - PIC .066 MF</u> <u>CA - 1727G</u> <u>(1.0" to 1.36")</u>	
900-26	<u>16-19 to 31-19</u>	
600-24 to 900-24		
400-22 to 600-22	<u>(1.37" to 2.74")</u>	
200-19 to 300-19	<u>76-19 to 202-19</u>	

Fig. 3