C, D, AND E SERVICE WIRE CLOSURES

DESCRIPTION AND USE

BURIED SERVICE WIRE

CONTENTS PAGE
1. GENERAL 1
2. DESCRIPTION 3
3. INSTALLATION 3

1. GENERAL

1.01 This section covers the description and installation of the C, D, and E service wire closures.

1.02 Whenever this section is reissued, the reasons for reissue will be listed in this paragraph.

2. DESCRIPTION

2.01 The C, D, and E service wire closures (Fig. 1) consist of a plastic prefilled closure, a bond clamp, a twist-top cap for securing the spliced wires, and an instruction sheet.

2.02 The closure contains a reenterable encapsulant. The bond clamp provides both mechanical and electrical bonding of the wires. The twist-top cap is grooved for service wires. If the installed closure is subsequently removed for service wire maintenance and/or rearrangements, it should be discarded and a new closure should be installed.

TABLE A

SERVICE WIRE CLOSURES
SIZE AND USE

<table>
<thead>
<tr>
<th>SERVICE WIRE CLOSURE</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length</td>
<td>Diameter (Max)</td>
<td>Weight (Max)</td>
</tr>
<tr>
<td></td>
<td>5 in.</td>
<td>1 in.</td>
<td>8 oz</td>
</tr>
<tr>
<td></td>
<td>6 in.</td>
<td>1.8 in.</td>
<td>12 oz</td>
</tr>
<tr>
<td></td>
<td>5.4 in.</td>
<td>1.5 in.</td>
<td>12 oz</td>
</tr>
<tr>
<td></td>
<td>2 Pr C Service Wire AT-8545 (BSW-2/22-C)</td>
<td></td>
<td>5 Pr C Service Wire AT-8545 (BSW-5/22-C)</td>
</tr>
<tr>
<td></td>
<td>E Armored Service Wire AT-8776 (BSW-2/22-GRE)</td>
<td>Wire 0.40 – 0.60 in. Diameter</td>
<td>E Buried Wire AT-8483 (BDW-2/19-GRE) (BDW-1/19-GRE)</td>
</tr>
</tbody>
</table>

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Fig. 1 — C, D, and E Service Wire Closures
3. INSTALLATION

3.01 Prepare service wire as shown in Fig. 2.

3.02 Remove bond clamp and twist-top cap from plastic bag. Leave closure in other section of bag until ready for use.

3.03 Install bond clamp on service wire shield as illustrated in Fig. 3. Tighten the bond clamp securely.

3.04 Splice conductors using prefilled connectors. Stagger the connectors to fit into the closure.

Fig. 2—Preparation of Wire for Service Wire Closures

Fig. 3—Bond Clamp Installed on Service Wires
3.05 Insert service wires in the grooves of the twist-top and slide the top toward the bond clamp (Fig. 4).

**Note:** When using the D service wire closure, the twist-top grooves will accept wire up to 0.040 inch od as received. For larger wire (up to 0.60 inch od), remove breakaway ridges as shown in Fig. 5.
3.06 Remove the filled closure from the plastic bag and insert splice and twist-top assembly into closure. Turn closure onto twist-top until the ridge around the top contacts the closure (Fig. 6). The splice may be buried immediately.

3.07 When reentering, use a new filled closure to replace the old one.

Fig. 6—Completed Installation