

**PREFORMED SERVICEAL 8000  
 BURIED WIRE SPlice  
 ENCAPSULATION CLOSURE KITS —  
 DESCRIPTION AND INSTALLATION**

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**1. GENERAL**

**1.01** This section is issued to provide descriptive information and installation procedures for Serviceal 8000 Series, Buried Wire Splice Encapsulation Closure Kits (see Figure 1).



**FIGURE 1**

**1.02** Whenever this section is reissued, the reason(s) for reissue will be provided in this paragraph.

**1.03** Serviceals are designed especially for buried service wire applications and provide an easily reenterable closure. (\*See Note 1)

**1.04** Serviceals can be applied immediately in any environment and are not affected by inclement conditions as they use an encapsulant which does not require mixing or setting up time.

**2. DESCRIPTION**

**2.01** The Serviceal is furnished complete with a grease filled vial, a shield connector, and a grooved plastic cap for inserting and securing the spliced wires into the vial.

**2.02** Each twist-top cap is marked with the appropriate wire size it is designed for use with.

**2.03** Figure 2 lists the catalog number and the maximum wire size acceptable for the 8000-668 Serviceal kit, in addition to quantities contained in each carton shipped.

**2.04** Figure 3 illustrates all components included in a Serviceal kit. The shield connector, indicated by the arrow, is for use with the 8000-668 kit only.

**FIGURE 2**

<u>Item</u>	<u>Catalog Number</u>	<u>Wire Description</u>	<u>Wire Groove Dia.</u>	<u>Standard Carton Quantity</u>
Closure	8000-668	2 pr. B, C, & F	.250"	20

Wire (See Note 2 Below)

**\*NOTE 1:** New kits must be used to reseal a splice if a closure is opened.

**NOTE 2:** The Serviceal 8000-668 Kit is intended for use for "B", "C", and "F" 2 pair buried service wire only. Kit, Splice Scotch 3818 or equivalent may be used on buried wires of different diameters.

**NOTICE**

Not for use or disclosure outside Indiana Bell  
 except under written agreement.

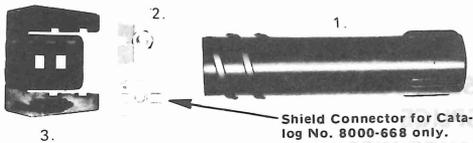


FIGURE 3

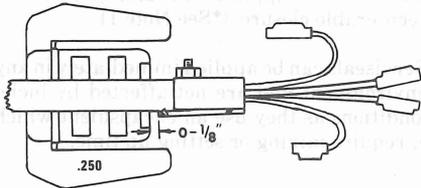


FIGURE 4

### 3. INSTALLATION PROCEDURES

3.01 To install Serviseal kit, proceed as follows:

- (a) Remove cap and shield connector only from the plastic shipping bag. Leave vial until assembly, to protect it from dirt and other contaminants.
- (b) Strip off 3 inches of outer sheath from the service wire as shown in Figure 4. Strip off 2-1/4 inches of shield and 2-1/8 inches of inner sheath, leaving 3/4 inch of shield with 1/8 inch of inner sheath extending beyond the shield.
- (c) As illustrated in Figure 5, apply shield connector. Tighten nut securely.
- (d) Splice conductors with the desired type of connectors and, as illustrated in Figure 5, fold and stagger conductors to form a tight, neat splice.

- (e) Insert the service wires in the cap grooves, and slide the cap towards the shield connector. Figure 5 illustrates the location of the cap with respect to the shield connector. (Metal shield should be 1/8" or closer to the cap.)

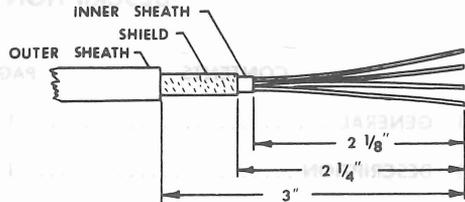


FIGURE 5

- (f) Remove filled vial from the plastic shipping bag and insert the conductors and cap as shown in Figures 6 & 7. Grip the cap firmly with one hand and twist the vial clockwise with the other hand until ridge around cap contacts end of vial. The grease will be forced into the voids creating a seal. Figure 8 illustrates a completed splice.

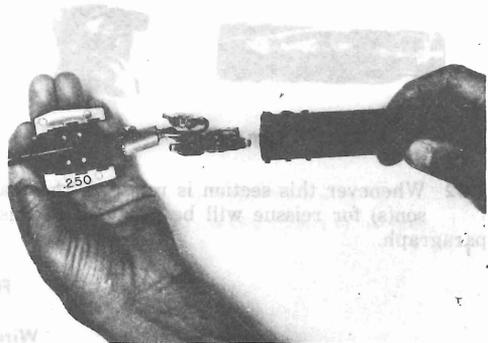
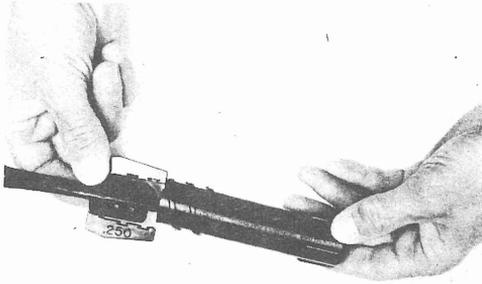
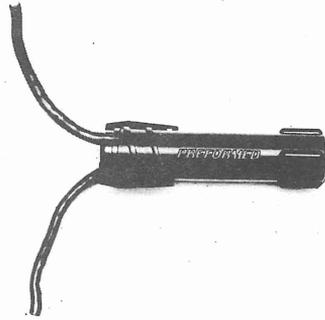


FIGURE 6



**FIGURE 7**



**FIGURE 8**

(g) This completes the installation. The splice may be buried immediately.

**4. ORDERING INFORMATION**

**4.01** Check Supplies Catalog for ordering information under Kit, Splice, Serviseal 8000-668.