DROP WIRE SPLICING

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1. GENERAL

1.01 This section covers the methods for splicing drop wire using the AMP* Mini Drop Wire Splice.

1.02 This Section is reissued to remove all reference to the Scotchlock* UDW Connector as it is no longer Southwestern Bell Telephone (SWBT) standard.

1.03 When a splice is necessary using Oko-liteflex aerial drop wire (Section 462-030-900), the splice must be made at pole locations using a 400-2000A Wire Terminal (Section 462-240-900).

1.04 When a splice is to be made in mid-span under tension, use the AMP* Mini Drop Wire Splice.

*Trademark

1.05 Observe the following rules when splicing drop wires:

(a) Splice tracer conductor to tracer conductor and plain conductor to plain conductor.

(b) On C drop wire, remove the outer jacket as specified before placing into connectors.

(c) Do not use the AMP* splice for splicing buried service wires.

2. AMP* MINI DROP WIRE SERVICE

DESCRIPTION

2.01 The AMP* mini drop wire splice (Fig. 1) is designed for splicing single pair drop wire with copper clad steel conductors of 18 to 18 1/2 AWG.

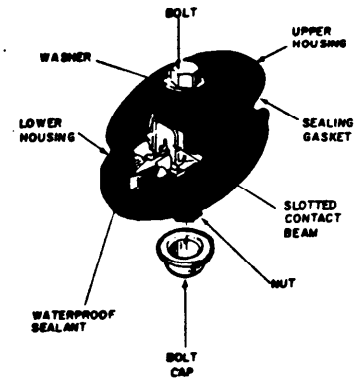

Fig. 1 - AMP* Mini Drop Wire Splice

*Trademark

2.02 The AMP* mini splice consists of an upper and lower black plastic housing, four slotted copper coated-steel contacts, and is equipped with a sealant and gasket for moisture protection.

2.03 The AMP* drop wire splice is preassembled for ease in installation. A 7/16-inch wrench is needed for assembly of the splice.

2.04 The AMP* drop wire splice is ideal for use in mid-span where the drop wire is to be placed under tension. It does not require the use of drop wire clamps for tension relief.

INSTALLATION

2.05 Prepare the conductor as follows:

(a) Make a flush cut of both drop wires.

(b) Slit the drop wire 1-inch with a drop wire slitter as illustrated in Fig 2.

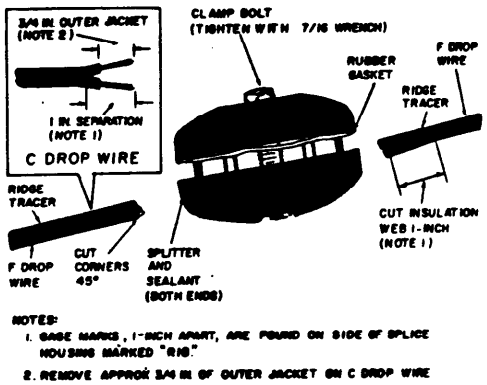

Fig. 2 - Drop Wire Preparation

*Trademark

(c) On C drop wire, remove 3/4-inch of the outer jacket insulation.

(d) On F drop wire, cut the corners at a 45 degree angle.

2.06 Align one of the drop wires with one end of the splice making sure the tracer conductor is on the splice side marked RIB.

2.07 Align the conductors with the splitter edge inside of the splice and insert through the sealant until the base of the split conductor rests on the splitter point (Fig. 3).

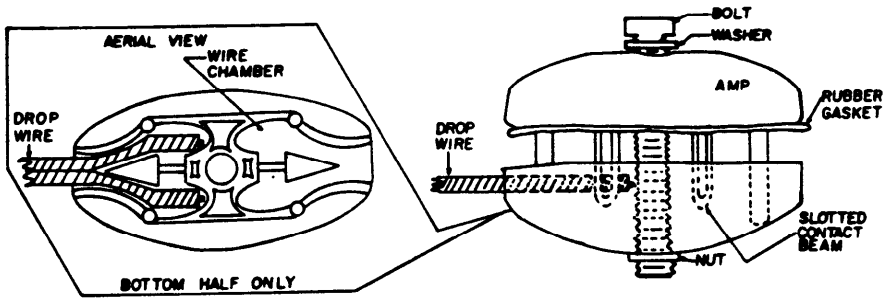

Fig. 3 - Drop Wire Insertion

2.08 Hold the first wire in place. Align and insert the second drop wire as previously described in 2.06 and 2.07. Make sure the tracer conductor is aligned to the RIB marking to prevent a reversal of the tip and ring conductors at the splice.

2.09 Hold the wires in place. Using a 7/16-inch wrench, tighten the bolt just enough to secure the drop wires.

WARNING: Do not use a 216B wrench. It will not provide sufficient torque.

2.10 Check for proper insertion and alignment and then complete tightening until the bolt is secured. At this point the compressed gasket will protrude approximately 1/16-inch from the splice seam (Fig. 4).

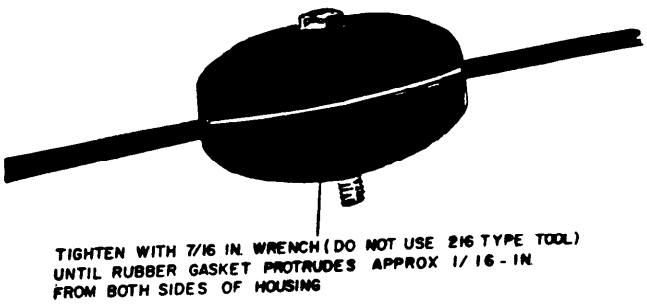

Fig. 4 - Completed Splice

2.11 The completed splice and drop wire is now ready for installation.