BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G50.675.5
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AT&T Co Standard

CABLE SPLICING—GENERAL
SUPPORTING LEAD SLEEVES FOR WIPING

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1. GENERAL

1.01 This section outlines the use of Splice Supports during the wiping operation on cables having polyethylene inner jackets. These supports are designed to take the weight of the sleeve off the cable at the wiped joint. If this is not done the weight of the sleeve may distort the softened polyethylene thereby reducing the high dielectric between core and sheath.

1.02 This section is reissued to include the use of the C Splice Support. Issue 1 is replaced.

2. DESCRIPTION

2.01 The **B Splice Support** consists of two aluminum hangers which hook over the cable at each end of the splice and an aluminum angle equipped with two 2″ elevating saddles that support the lead sleeve.

2.02 The new **C Splice Support** consists of two aluminum hangers which hook over the cable and an aluminum angle equipped with one 6″ elevating saddle, centrally located, for supporting the lead sleeve.

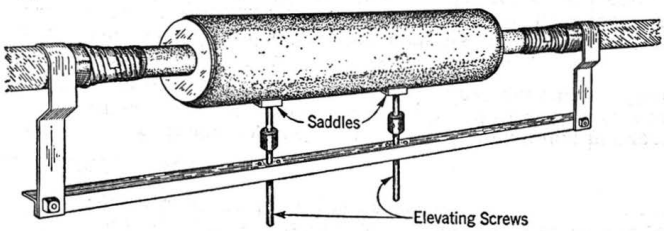
3. USE

3.01 The cable should be supported on wooden horses, cable racks, etc., placed as close to the ends of the Sleeve Support as practicable.

3.02 The **B Splice Support** is attached as follows:

(1) Center the B Splice Support on the cable with respect to the sleeve, as illustrated. The elevating screws should be lowered so that the saddles are not in contact with the bottom of the sleeve.

B SLEEVE SUPPORT



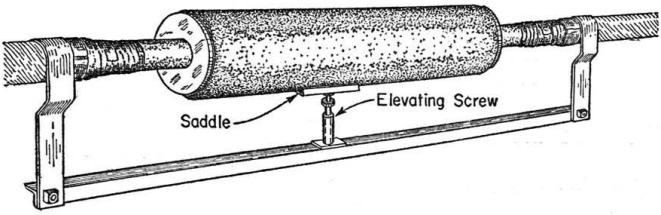
(2) With the support positioned as shown adjust the elevating screws until the saddles make contact with the bottom of the sleeve.

(3) The final adjustment of the screws should now be made by turning each screw to bring the saddles to bear more firmly against the sleeve and to elevate the sleeve slightly with respect to the cable. To avoid canting the sleeve both screws should be turned simultaneously, one with the left hand and one with the right. The sleeve will be properly supported when the end plates have been lifted slightly away from the top of the cable, and the cable floats in the opening in each end plate. Usually from two to four turns will be required to accomplish this. After making two complete turns of each screw, inspect the cable where it enters the end plates to determine whether the sleeve and end plates have been raised sufficiently to remove the weight from the cable sheath. If the end plates do not clear the top of the cable, turn each screw an additional half turn and again inspect the cable and end plates. Continue this procedure until the sleeve is properly supported as determined by the position of the cable in the end plates, except that the screws should not be turned more than four complete turns. If the sleeve is not properly supported after four complete turns of each screw, loosen both screws and repeat the adjustment procedure.

3.03 The **C Splice Support** is attached as follows:

(1) Center the C Splice Support on the cable with respect to the sleeve as illustrated. The elevating screw should be lowered so that the saddle is not in contact with the bottom of the sleeve.

C SLEEVE SUPPORT



(2) With the support positioned as shown adjust the elevating screw by turning so that the saddle bears firmly against the sleeve. The sleeve will be properly supported when the end plates have been lifted slightly away from the top of the cable and the cable floats in the opening in each end plate.

(3) After the sleeve and end plates have been raised, check the setup to be sure that the sleeve is firmly seated and that the suspension hooks grip the cable securely.

3.04 Set the solder pan above or below the aluminum angle member of the support, depending on local conditions.

3.05 In order to avoid damage to the polyethylene, the Splice Support should not be removed from the cable until the joints have cooled for at least ten minutes after the wiping operation is completed.