

LEAD-CALCIUM SLEEVES
DESCRIPTION AND INSTALLATION

1. GENERAL

1.001 This addendum supplements Section 633-200-201.

1.002 It is issued to provide instructions for the use of Lead-Antimony sleeves which are standard in the Pacific Company. B Lead-Calcium Sleeves are not available in the Pacific Company because of supply and manufacturing problems.

1.003 The main section applies to Lead-Antimony sleeves as well as Lead-Calcium unless otherwise indicated.

3. DESCRIPTION OF B LEAD-CALCIUM SLEEVE

The following change applies to Part 3 of the section:

3.02 Add the following sentence.

The Lead-Antimony sleeve does not have a V-slot. Therefore, it will be necessary to form a groove with a straight edge and B Shave Hook before splitting.

10. PREPARATION OF LEAD SLEEVE

The following changes apply to Part 10 of the section.

- (a) 10.08 -- revised.
- (b) 10.09 -- revised -- Note remains - add Fig. 15-1
- (c) 10.10 -- add (7) and (8)
- (d) 10.11 -- (3a) add Fig. 16-1

10.08 Split the sleeve with a cable saw or B Lead Sleeve Slitter (Section 081-780-105) following the groove made with a straight edge and B Shave Hook.

10.09 Open the split in the sleeve until it is wide enough to facilitate beveling or to allow the sleeve to be slipped over the cable. Bevel the split with a shave hook or rasp as illustrated in Fig. 15. Use the measurements shown in Fig. 15-1. Coat the beveled area with stearine.

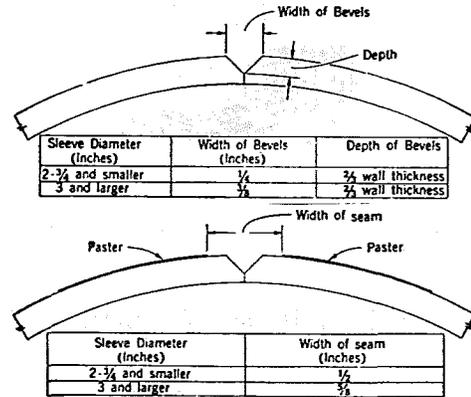


Figure 15-1

10.10 (7) Clean the surface adjacent to the seam with a shave hook or carding brush. Place cable pasters parallel to the seam so that the width will be in accordance with the tables in Fig. 15-1.

(8) Coat edges of pasters and area between with stearine.

10.11 (3a)

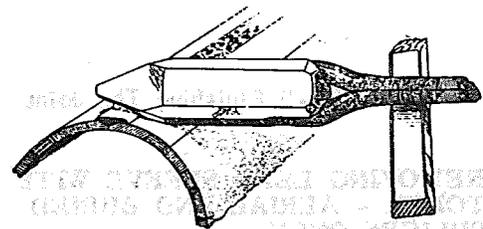


Figure 16-1 -- Running A Seam

12. SOLDER METHOD OF WIPING LEAD SLEEVE

The following change applies to Part 12 of the section.

- (a) 12.04 -- add Figs. 23-1 and 23-2.

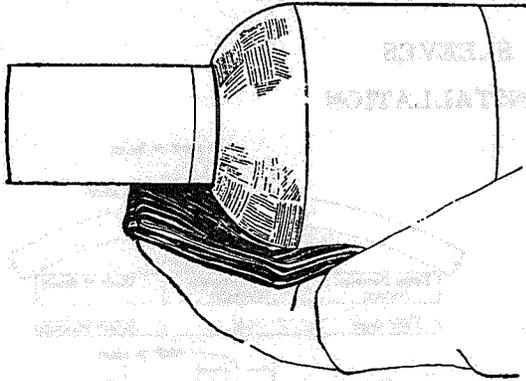


Figure 23-1 Holding The Catch Cloth

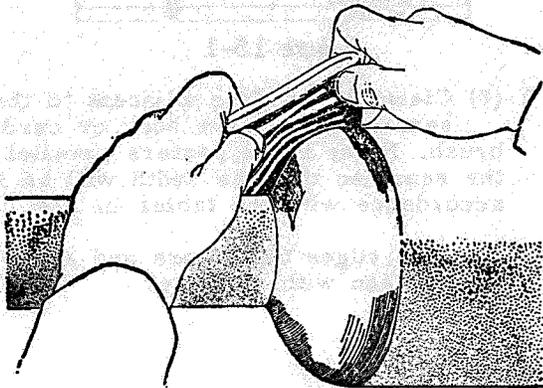


Figure 23-2 Finishing The Joint

17. REMOVING LEAD SLEEVE WITH A TORCH - AERIAL AND BURIED SPLICES ONLY

The following changes apply to Part 17 of the section.

- (a) 17.06 -- revised
- (b) 17.08 and 17.09 -- cancelled
- (c) 17.10 -- revised

17.06 PRECAUTIONS -- Removing Joints with Acetylene Torch.

- (a) The acetylene torch method of removing joints shall not be used when the sleeve is to be reused.
- (b) This method is to be used only on aerial and buried cables.

- (c) The flame of the torch must not come in contact with the aerial strand. Heating the strand may cause it to break.
- (d) Ventilate tents while the torch is being used. Tent flaps shall be tied securely to prevent their blowing into the flame.
- (e) When more than one cable is present, care shall be taken to prevent damage to all adjacent cables.

17.10 After the sleeve has been chipped off, remove the joints and clean excess metal off of the sheath as follows:

- (1) If the splice was originally dried with paraffin, remove the muslin wrapping and replace with one half-lapped layer of dry muslin. If the splice was originally closed with desiccant, the muslin wrapping should not be removed.
- (2) Place two wraps of B Aluminum Tape over the muslin including approximately 1/4-inch of each sheath end entering the splice. Form the tape around the sheath end as tightly as possible so that the muslin will not be exposed to the torch flame.
- (3) Clean the surface of the joint with a carding brush.
- (4) Secure a drip pan beneath the joint to be unwiped.
- (5) Apply the flame with a brushing motion to a small area of the joint. As the solder melts it may be necessary to remove the excess with a shave hook or finishing cloth.
- (6) When the joint no longer adheres to the cable, remove the joint by twisting off with a pair of pliers or cutting off with a splicer's scissors. It may be necessary on larger sleeves to let the solder solidify and cut the joint off with a chipping knife.
- (7) Clean the sheath ends by applying the torch flame over the cable sheath only. To prevent sheath damage, avoid concentration of the flame at any one point on the sheath. Avoid applying direct flame to the tape protection.

18. B CONNECTOR

The following change applies to Part 18 of the section. 18.06 -- add note.

18.06 *Note:* The B Connector may be used in manholes as well as in cable vaults.