

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G56.608.1**  
**Issue 1, August, 1954**  
**AT&T Co Standard**

## **CABLE SPLICING — BURIED**

### **BONDING ARMOR TO SHEATH**

<b>Contents</b>	<b>Page</b>
1. General .....	1
2. Light Wire Armor .....	2
3. Buried Tape Armor .....	3

#### **1. GENERAL**

1.01 This section describes the methods of bonding the wire or tape armor outer protection on buried cables to the sheath at locations where the continuity of the outer protection is broken.

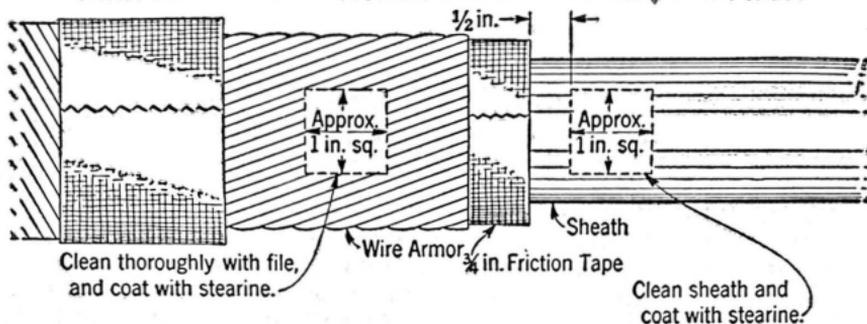
1.02 The bonding ribbon should be thoroughly cleaned with a file or carding brush, and then retinned, before it is placed on the cable.

1.03 In soldering the bonding ribbon to the sheath extreme care must be used to ensure that the sheath and core insulation are not damaged by excessive heating, particularly if a lepeh sheath cable or a small diameter cable having comparatively thin sheath is involved. Use only a well heated soldering copper or acetylene torch. If a soldering copper is used, avoid direct contact between the soldering copper and the lead sheath.

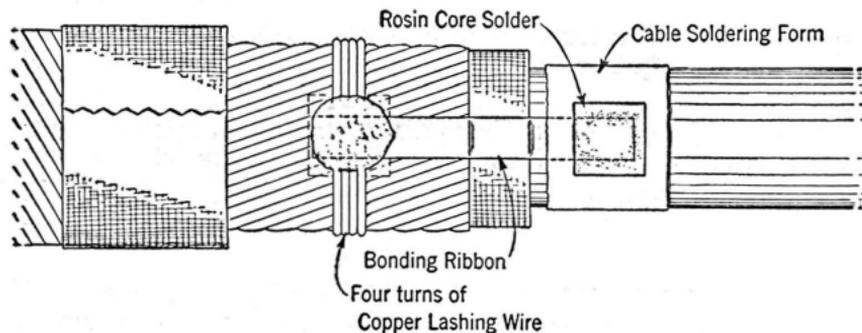
## 2. LIGHT WIRE ARMOR

2.01 Bond the armor wires to the sheath as outlined below.

Remove temporary wire tie from armor. Prepare the sheath and the armor wire as indicated. Then tin the cleaned surface of the armor wire with rosin core solder.



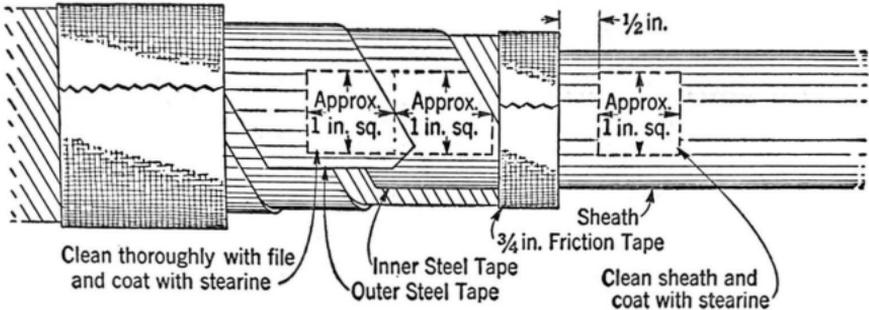
Position bonding ribbon over cleaned surfaces of armor and sheath. Secure it with copper lashing wire. Then solder with rosin core solder as illustrated below.



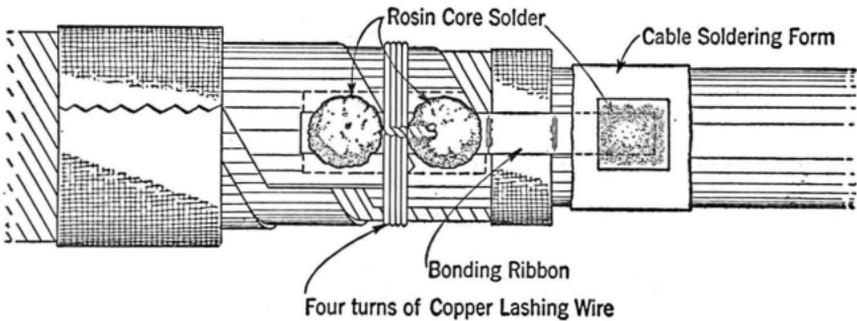
### 3. BURIED TAPE ARMOR

3.01 The method of bonding the tapes of regular buried tape armored cable to the sheath is outlined below.

Remove temporary wire ties from steel tapes. Prepare the sheath and steel tapes as indicated below. Then tin the cleaned surface of the tapes with rosin core solder.



Position bonding ribbon over cleaned surface of steel tapes and sheath and secure it with copper lashing wire as shown below. Solder with rosin core solder as indicated.



3.02 Modified Tape Armored Cable is so constructed that it is in contact with the sheath throughout the length of the cable and no additional bonding is required where the continuity of the outer protection is broken.