

## **CABLE SPLICING**

### **SHEATH PREPARATION**

### **PIC CABLE OF OUTSIDE MANUFACTURE**

#### **1. GENERAL**

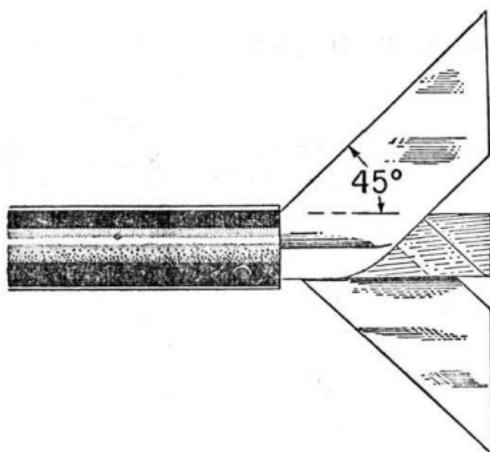
1.01 This section describes the sheath preparation required for polyethylene insulated conductor cable of outside manufacture.

1.02 The standard cables have longitudinally applied aluminum tape. Cables from other suppliers having longitudinally applied metallic tapes may be handled in the same manner as the standard cables.

1.03 Cables from other suppliers having spirally wrapped metallic tapes over the polyethylene insulated conductors generally fit into the following types.

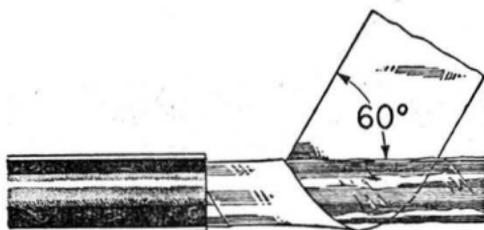
- (a) Type 1—Two spiral tapes applied at about 45° angle over core.

**TYPE 1**  
**Two Spiral Tapes**



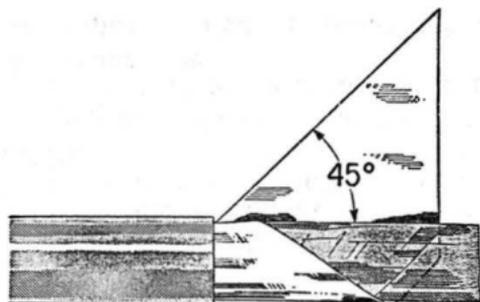
- (b) Type 2—Single spiral tape applied at about  $60^\circ$  angle or greater over the core.

TYPE 2  
One Spiral Tape



- (c) Type 3—One wide spiral tape applied at about  $45^\circ$  angle over core.

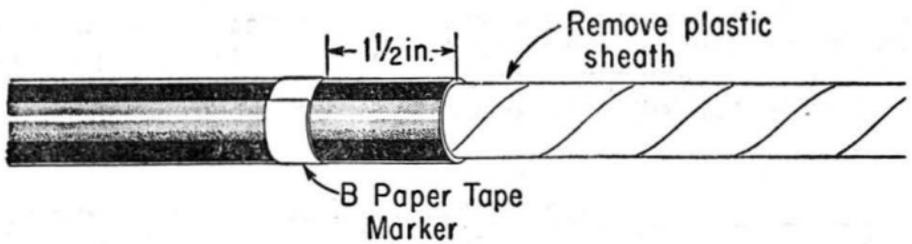
TYPE 3  
One Wide Spiral Tape



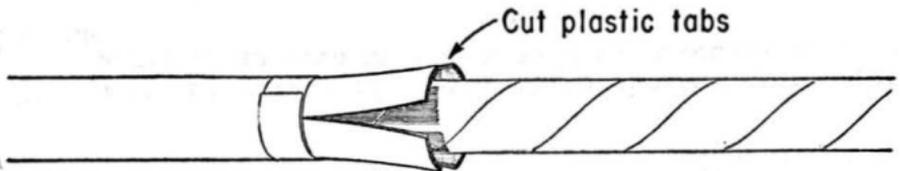
## 2. SHEATH PREPARATION

2.01 These cables, because of the spiral metal tapes, require different sheath preparation than with standard sheath when used in ready access type terminals or splice cases and splice case terminals.

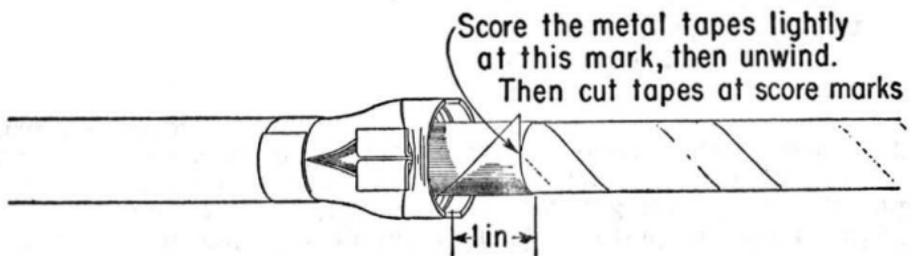
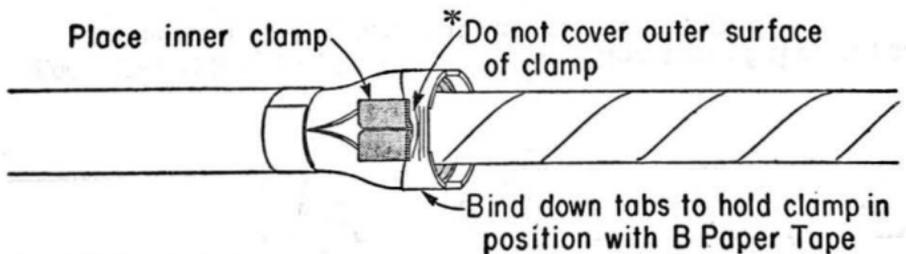
2.02 After marking the sheath opening and the tab length on the sheath remove the plastic sheath.



- 2.03 Cut the tabs in the plastic sheath as required, taking care not to cut or damage the underlying metal tape(s).



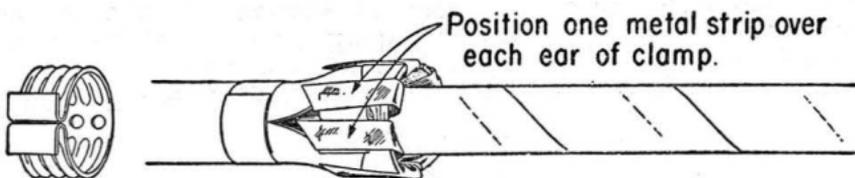
- 2.04 Place the inner clamps over the metal tape(s) on the core and under the plastic tabs. Different types of inner clamps are used. Each type should be positioned according to the instructions prepared for that particular clamp.



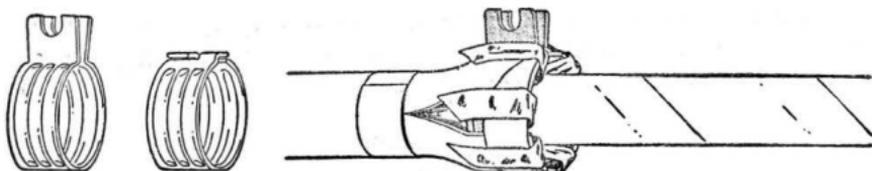
2.05 Then cut the metal tape(s) parallel to their spiral edge(s) into strips  $\frac{3}{8}$  inch to  $\frac{1}{2}$  inch in width and bend the strips back over the tabs. TAKE CARE THAT THE STRIPS ARE BENT LOOSELY. A sharp tight bend may tear the strip.



2.06 For this type of inner clamp, position two of the strips, one over each projecting ear of the clamp.



2.07 For either type of sheath clamp shown position the strips in an even manner around the circumference of the cable.



2.08 Trim off the excess length of the strips. This completes the preparation of the sheath end. The installation procedure for the ready access terminals or for splice cases and terminals is covered in other sections of the practices.