

BURIED PLANT  
TERMINATION OF BURIED WIRE  
AT JUNCTION WITH BURIED PLANT

1. General

1.01 This addendum supplements Bell System Practice 629-720-205.

1.02 This addendum is reissued to:

- (a) Revise information contained in Issue 5 of the main section.
- (b) Add information concerning the terminations at subscribers locations in joint trench installations.

2. Disposition of Unterminated Pairs

Add Paragraph (a) and (b) to Paragraph 2.01 (1).

(1) At Station End

- (a) Above Ground Closures - At the station end where the station is fed from an above ground closure remove 3 inches of outer jacket and skin 1 inch of the insulation off each conductor. Twist the bare conductors and the shield (armor wires with underground wire) together and wrap them with vinyl tape. Place one length of B Sealing Tape on one side of the wire (approximately 4 inches) and fold the remainder of the sealing tape over the butt of the conductors and onto the other side of the wire. Pinch the sealing tape together and trim off the excess sealing tape. Tape the completed end with two layers of vinyl tape overlapping the sealing tape 1 inch on the wire. REMEMBER TO CLEAR THESE CONDUCTORS AT THE STATION END PRIOR TO JOINING THEM TO THE ENERGIZED CABLE AT THE ABOVE GROUND CLOSURE.
- (b) Buried Encapsulated Closures - At the station end where the station is fed from a buried encapsulated closure remove 3 inches of outer

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jacket and aluminum shield (armor wires with underground wire). Clear each conductor and place a small length of vinyl tape over each conductor. Place one length of B Sealing Tape on one side of the wire (approximately 4 inches) and fold the remainder of the sealing tape over the butt of the conductors and onto the other side of the wire. Pinch the sealing tape together and trim off the excess sealing tape. Tape the completed end with two layers of vinyl tape overlapping the sealing tape 1 inch on the wire.

Change Paragraph 2.01 (b) (1) to read as follows:

- (1) At the station end leave all terminations as they are, except where the station protector is being removed. When the protector is to be removed follow Paragraph 2.01.

2.02 To eliminate the need for excessive hand digging and to warn contractors of the presence of buried wire; service wire which cannot be placed the entire distance from the pedestal to the station on the initial visit (for example - wire brought across the street and looped until house locations are ascertained) should be protected as follows:

(a) At station end -

- (1) Follow 2.01 Paragraph (1) (a) and (b)
- (2) Fold excess wire and place in a five foot piece 3-1/2 inch fibre duct.
- (3) Place an E Warning Decal on the street side of the duct.
- (4) The duct shall be removed and saved for reuse once the service wire has been placed to the station.

(b) At central office end (pedestal) - bridge the shield (armor wires with underground wire) and conductors to a common ground post, or if not available, follow Paragraph 2.01 (1) (a) and (b).

2.03 Joint Trench Installations are of two types, (1) Joint Buried = JB, Electric and Telephone cable(s) in the same trench with a 12 inch minimum separation and (2) Joint Buried - Random = JBR, Electric and Telephone cable(s) in the same trench with no physical separation.

2.04 The precautions to be observed when working on buried service wire in joint buried installations are outlined in Section 629-795-900SN. The general precautions concerned with buried telephone plant are outlined in Section 629-100-010.

5. Terminations at Subscriber Locations

Add Paragraph (a) to 5.01

- (a) Delete reference to the 123A1A Protector. A 128A1A-2 Protector shall always be utilized at the subscriber location and both pairs of the B Service Wire shall be terminated. The protector shall be mounted on the outside of the subscribers' premises whenever possible.

Add the following:

5.09 For terminations at subscriber locations in Joint Buried Installations.

- (a) Observe precautions outlined in Section 629-795-900SN and Section 629-100-010.
- (b) Prior to terminating the service wire on the 128A1A-2 Protector, slip an indicator KS-6660 over each pair of wires.
- (c) After terminating the service wires on the 128A1A-2 Protector, place a binding post insulator - size #1 over each binding post.
- (d) The indicator normally indicates special service circuits and the insulator prevents any inadvertent contact with the binding posts of the protector. The presence of the two at each station protector will alert the craftsman that he is working on pairs associated with a Joint Buried Installation (Power and Telephone in the same trench).