JUNCTIONS

BURIED CABLE—AERIAL SERVICE

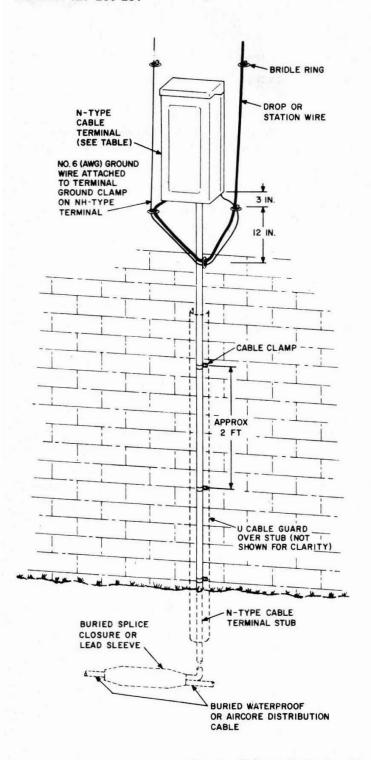
1. GENERAL

- 1.01 This section describes the treatment of buried PIC cable at junctions with aerial or block service wires.
- 1.02 This section is reissued to:
 - Delete reference to C, D, and E cable closures (rated Manufacture Discontinued)
 - Show installations (Fig. 2, 5, 6, and 7) of PC6/48 cable closure, which has replaced C, D, and E cable closures, and PC12/55 cable closure
 - Show splice closure or lead sleeve with N-type terminal as installation options (Fig. 1 and 4) where nonaccessible splices may be made at buried—aerial junctions
 - Show ground wire sizes (Fig. 3) for use with 123A1A and 128A1A station protectors in 3A1 cable closure

- Add letter P to NC terminal code (Fig. 1, 4, 5, and 6) to indicate plastic sheathed stubs.
- 1.03 In the typical installations shown in Part 2, the buried cable may be either dead ended or looped through the various closures.
- 1.04 Where distribution terminals are required at garden apartments, the MC10/48 cable closure may be used (Section 631-470-204).

2. TYPICAL INSTALLATIONS

- 2.01 Typical installations of buried cable block services are illustrated in Fig. 1, 2, and 3.
- 2.02 Typical installations of buried cable distribution from poles are illustrated in Fig. 4 through 7.



CAPACITY - N-TYPE CABLE TERMINALS

	PAIRS TERMINATED (MAX)	TYPE TERMINAL	
PROTECTED SEE NOTE	10, 16, OR 25	NC-10P, NC-16P, OR NC-25P	
	16 OR 25	NH-16 OR NH-25	
UNPROTECTED	10, 16, OR 25	NF-10P, NF-18P, OR NF-25P	

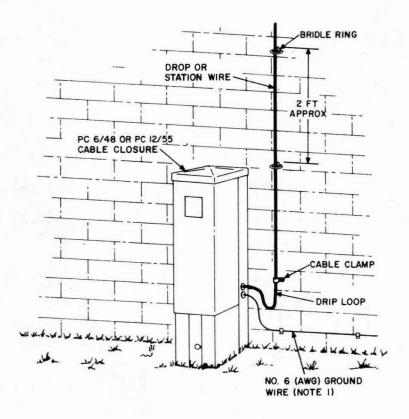
NOTE .

STATION PROTECTION; GROUND TERMINAL WITH NO. 6 (AWG) GROUND WIRE TO METALLIC WATER PIPE OR EQUIVALENT.

REFERENCES:

N-TYPE TERMINAL - SECTION 631-210-101
16 TYPE CLOSURE - SECTION 631-600-200;
LEAD SLEEVES - SECTION 633-200-201;
PROTECTION AND GROUNDS - SECTION 460-100-400.

Fig. 1—N-Type Cable Terminals—Building Mounted



CAPACITY - TERMINAL BLOCKS FOR PC 6/48 AND PC 12/55 CABLE CLOSURES

TYPE OF BLOCK	NOTE	PC 6/48 CLOSURE		PC 12/55 CLOSURE		
		PAIRS TERMINATED (MAX)	NO. OF BLOCKS (MAX)	PAIRS TERMINATED (MAX)	NO. OF BLOCKS (MAX)	TERMINAL BLOCKS
PROTECTED	I AND 2	12	4	18	6	6BIA-3
PROTECTED	2	12	4	18	6	6B1B-3
UNPROTECTED	2	12	4	18	6	6A2-3
UNPROTECTED	3	12	1	12	1	RPT-12L
UNPROTECTED	3	12	1	12	1	RPT-12
UNPROTECTED	3	13	1	13	- 1	RPT-13
UNPROTECTED	3	25	1	25	1	RPT-25
UNPROTECTED	3	40	4	40	4	9AI-10
UNPROTECTED	3	50	2	50	2	9A1-25

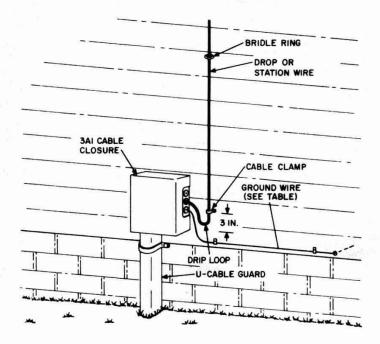
NOTES

- I. FOR STATION PROTECTION: GROUND CLOSURE TO APPROVED GROUND.
- 2. USE TERMINAL BLOCKS 6BIA-3 FOR STATION PROTECTION; 6BIB-3 FOR CABLE PROTECTION; AND 6A2-3 WHERE ONLY FUSING PROTECTION IS REQUIRED.
- THESE BLOCKS ARE USED FOR FIXED COUNT. WHERE TERMINAL BLOCKS ARE NOT REQUIRED, SEE SECTION 631-604-210.

REFERENCES

PC 6/48 AND PC 12/55 CABLE CLOSURE - SECTION 631-604-210; PROTECTION AND GROUNDS - SECTION 460-100-400.

Fig. 2—PC6/48 or PC12/55 Cable Closure—Building Mounted



CAPACITY-STATION PROTECTORS AND GROUND WIRE SIZES FOR 3AI CLOSURE

TYPE OF BLOCK	PAIRS TERMINATED (MAX)	STATION PROTECTORS	GROUND WIRE (SIZE)	
PROTECTED SEE NOTE	2	123A1A	NO. 12 (AWG)	
PROTECTED SEE NOTE	4	128414	NO. 10 (AWG)	

NOTE:

STATION PROTECTION: GROUND PROTECTOR TO METALLIC WATER PIPE OR EQUIVALENT

REFERENCES:

3AI CLOSURE - SECTION 63I-600-204; STATION PROTECTOR AND SIGNALING GROUNDS - SECTION 460-100-201; PROTECTION AND GROUNDS - SECTION 460-100-400.

Fig. 3—3A1 Cable Closure—Building Mounted

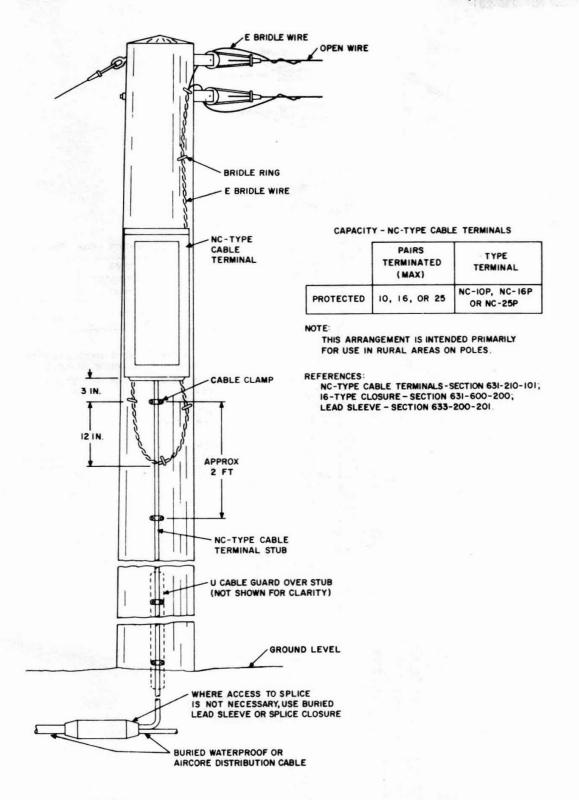


Fig. 4—Open Wire Feed From Buried Cable—Using Buried Splice Closure and Pole Mounted NC-Type Cable
Terminals

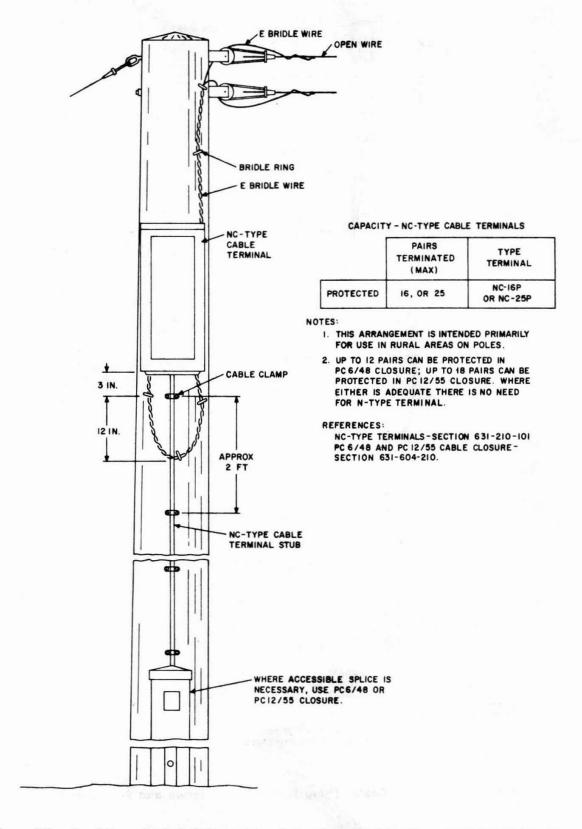


Fig. 5—Open Wire Feed From Buried Cable—Using Pole Mounted PC6/48 or PC12/55 Cable Closure and NC-Type Cable Terminals

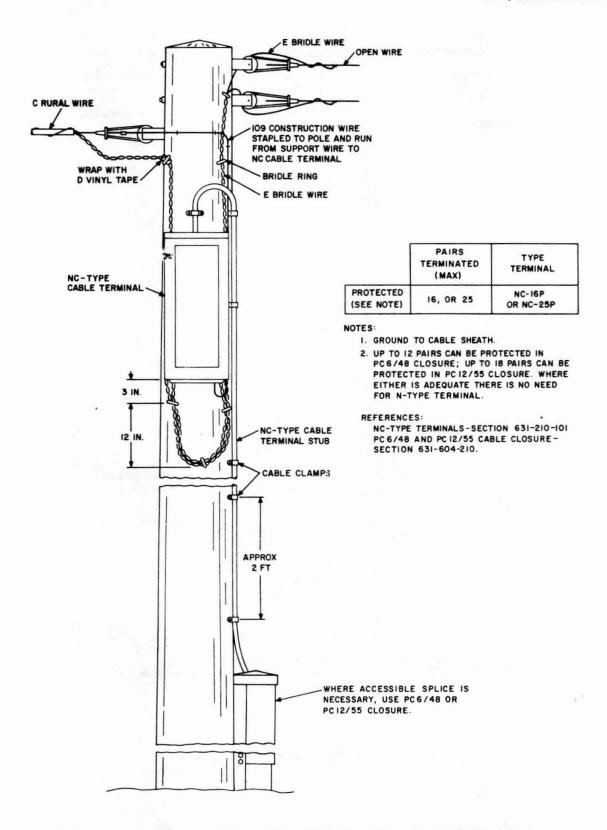


Fig. 6-Open Wire and Rural Wire Feed From Buried Cable

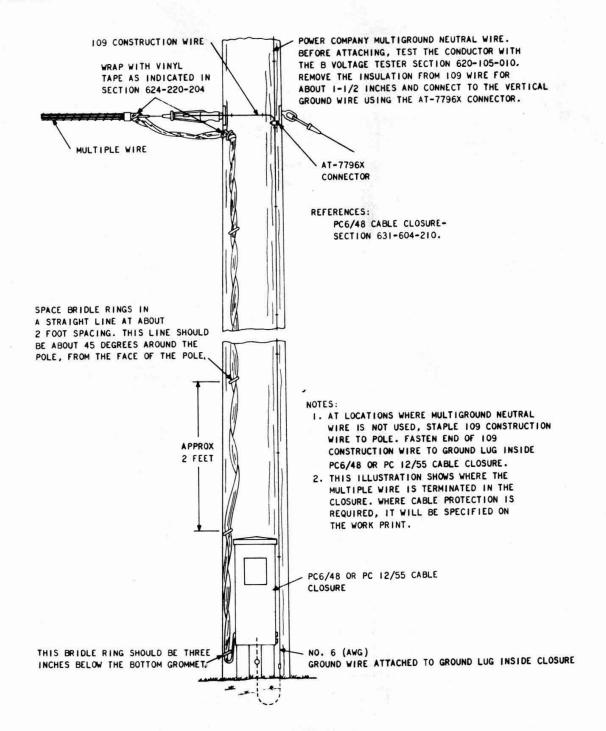


Fig. 7—Multiple Wire Feed From Buried Cable