

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 128A1A 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.

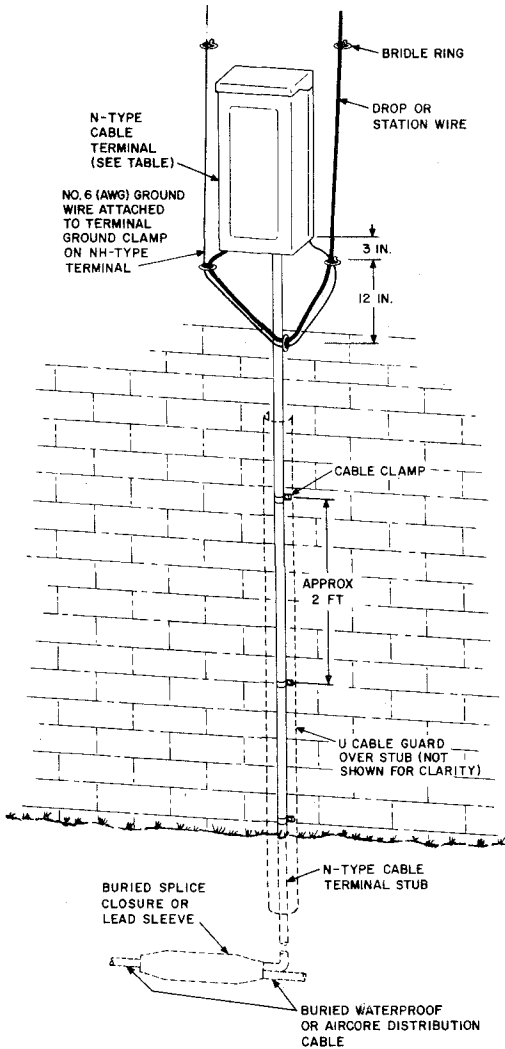
1.03 In the typical installations shown in Part 2, the buried cable may be either dead ended or looped through the various closures.

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.



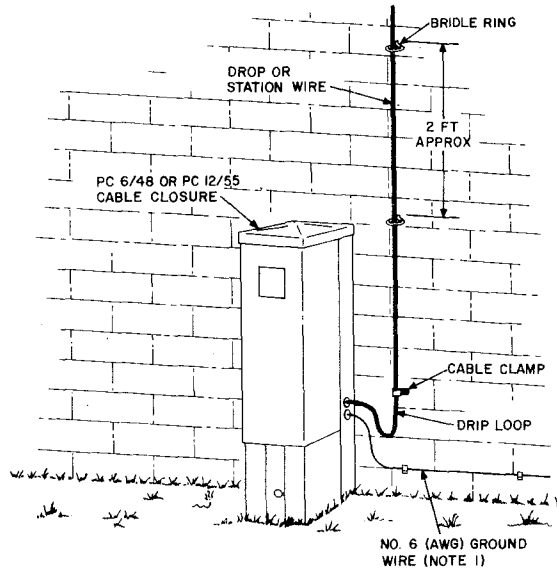
CAPACITY - N-TYPE CABLE TERMINALS

	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-16P, 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		TERMINAL BLOCKS
		PAIRS TERMINATED (MAX)	NO. OF BLOCKS (MAX)	PAIRS TERMINATED (MAX)	NO. OF BLOCKS (MAX)	
PROTECTED	1 AND 2	12	4	18	6	6B1A-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	9A1-10
UNPROTECTED	3	50	2	50	2	9A1-25

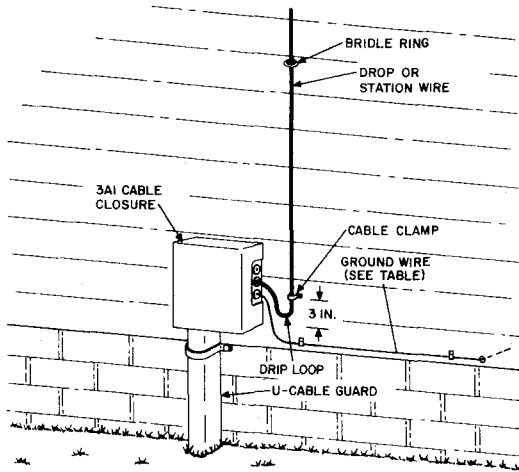
NOTES:

1. FOR STATION PROTECTION: GROUND CLOSURE TO APPROVED GROUND.
2. USE TERMINAL BLOCKS 6B1A-3 FOR STATION PROTECTION; 6B1B-3 FOR CABLE PROTECTION; AND 6A2-3 WHERE ONLY FUSING PROTECTION IS REQUIRED.
3. 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 3A1 CLOSURE

TYPE OF BLOCK	PAIRS TERMINATED (MAX)	STATION PROTECTORS	GROUND WIRE (SIZE)
PROTECTED SEE NOTE	2	123A1A	NO. 12 (AWG)
PROTECTED SEE NOTE	4	128A1A	NO. 10 (AWG)

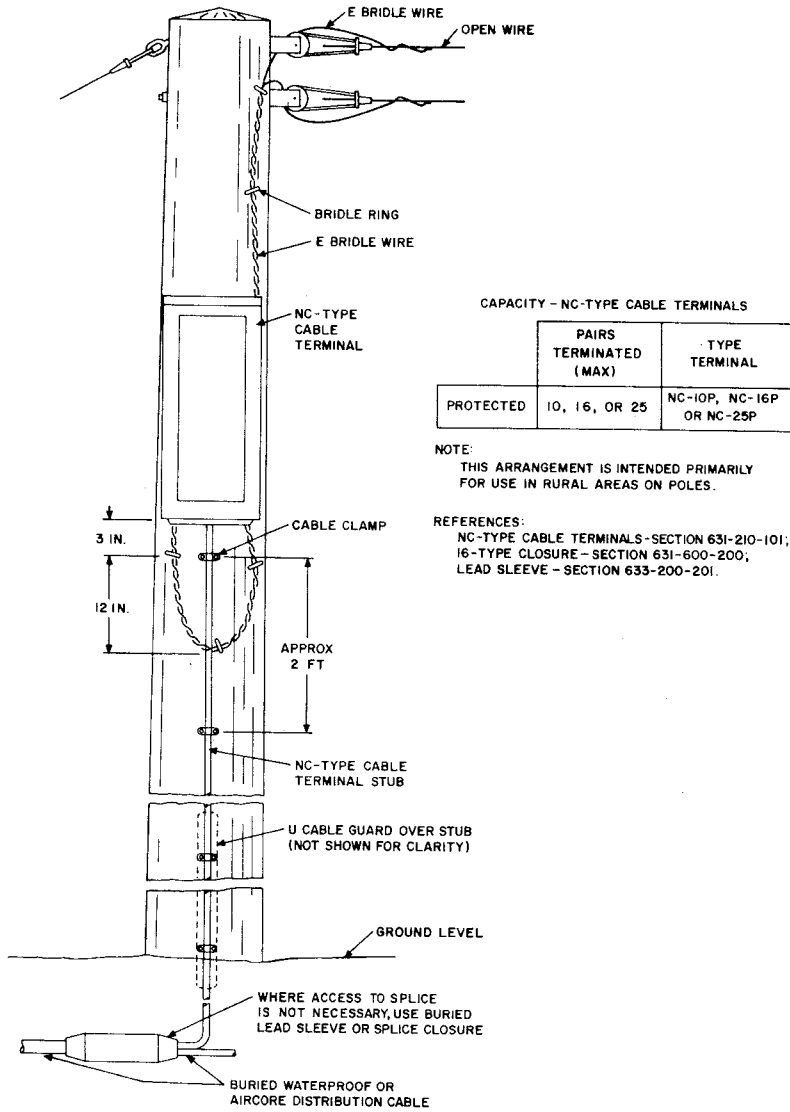
NOTE:

STATION PROTECTION: GROUND PROTECTOR TO METALLIC WATER PIPE OR EQUIVALENT

REFERENCES:

3A1 CLOSURE - SECTION 631-600-204; STATION PROTECTOR AND SIGNALING GROUNDS - SECTION 460-100-201; PROTECTION AND GROUNDS - SECTION 460-100-400.

Fig. 3—3A1 Cable Closure—Building Mounted



CAPACITY - NC-TYPE CABLE TERMINALS

	PAIRS TERMINATED (MAX)	TYPE TERMINAL
PROTECTED	10, 16, OR 25	NC-10P, NC-16P OR NC-25P

NOTE:
THIS ARRANGEMENT IS INTENDED PRIMARILY FOR USE IN RURAL AREAS ON POLES.

REFERENCES:
NC-TYPE CABLE TERMINALS-SECTION 631-210-101;
16-TYPE CLOSURE-SECTION 631-600-200;
LEAD SLEEVE - SECTION 633-200-201.

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

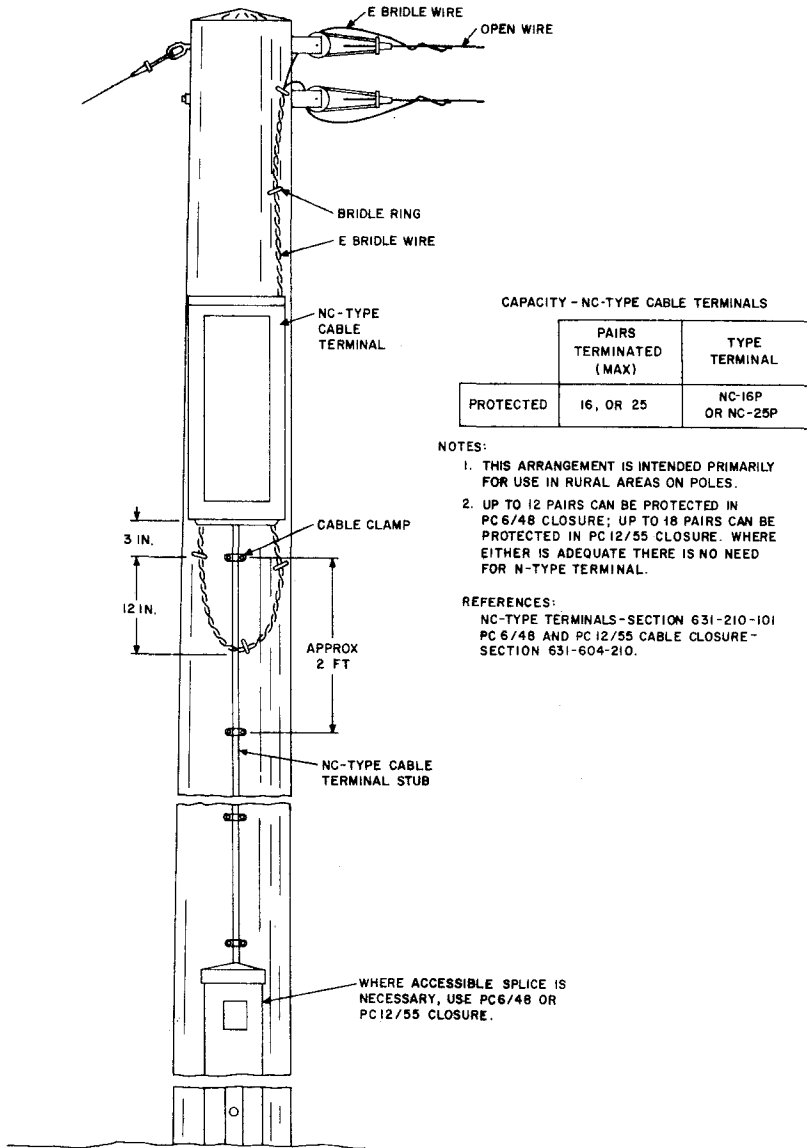


Fig. 5—Open Wire Feed From Buried Cable—Using Pole Mounted PC6/48 or PC12/55 Cable Closure and NC-Type Cable Terminals

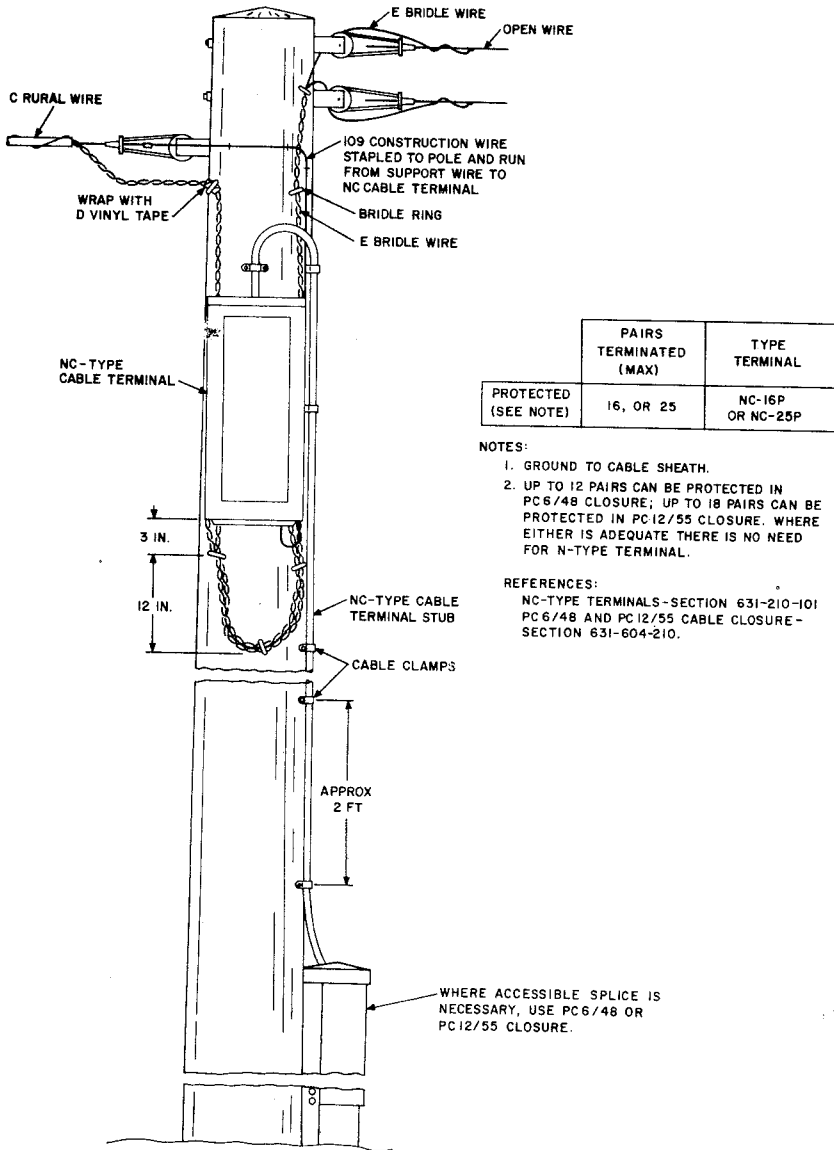


Fig. 6—Open Wire and Rural Wire Feed From Buried Cable

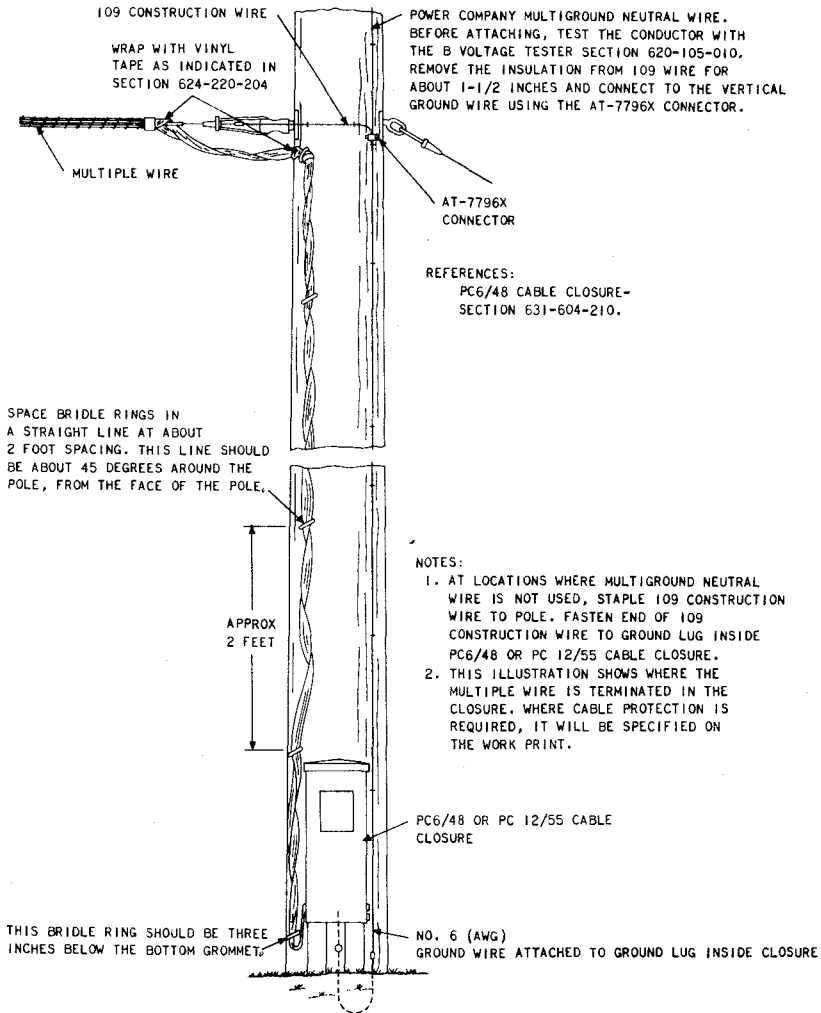


Fig. 7—Multiple Wire Feed From Buried Cable