

CABLE SPLICING — GENERAL
PLASTIC INSULATED CONDUCTOR (PIC) CABLE

1. GENERAL

1.001 This addendum supplements Section 632-410-200.

1.002 It is reissued to provide information regarding:

- Encapsulation of 700-Type Connectors.
- A precaution concerning the use of waterproof PIC cables in buildings.
- A rule for splicing PIC cables to dead complements in pulp or strip paper cables.

1.003 The following information (from the previous addendum) is retained:

- Venting splice cases and sealed terminals in aerial PIC cables.
- Placing moisture plugs in above ground pedestal closures.

2. MATERIALS AND TOOLS

The following change applies to Part 2 of the section:

- (a) 2.01(a) — revised (700-, 701-, and 710-, type connectors, only)

2.01(a) Materials and Use

700- and 701-Type Connectors For joining or bridging 300 pairs or less, having any combination of aluminum, copper or copper-steel conductors. Self-encapsulating, however, further encapsulation is required in some buried splices. (See Tables B and C.)

710-Type Connectors — For joining or bridging 25 pair groups (300 pairs or more)

of copper or aluminum conductors. Self-encapsulating, however, further encapsulation is required in some buried splices. (See Tables B and C.)

3. PRECAUTIONS

The following change applies to Part 3 of the section:

- (a) 3.05 — added

3.05 SPLICE CASES OR SEALED TERMINALS — When it is necessary to place a sealed type terminal or splice case on a non-pressurized aerial Alpeh-PIC cable, the following precaution shall be taken:

To provide adequate venting and drainage, leave out at least 4-inches of sealing cord from the lowest bottom surface of the closure.

5. CORE PREPARATION (AIR CORE)

The following change applies to Part 5 of the section:

- (a) 5.01 — delete phrase (in the next to the last sentence) — except when splice bundle is encapsulated.

6. CORE PREPARATION (WATERPROOF)

The following changes apply to Part 6 of the section:

- (a) 6.03 — delete reference to use of Varsai and Kerosene.
(b) 6.04 — omitted
(c) 6.05 — added

6.05 In Buildings — Waterproof cables shall not be terminated on connecting blocks that would result in the core of the cable being exposed (ie, on 66-Type Connecting Blocks). Terminations should be made through a sealed splice to a fixed count terminal or a 134-Type Protector.

7. COLOR CODE SPLICING

The following change applies to Part 7 of the section:

- (a) 7.03(c) — added

7.03 Splicing Even-Count PIC to PULP or Strip Paper

- (c) PIC cables should not be spliced to dead complements of pulp or strip paper cables (noncolor coded) except when the splice is not readily accessible (ie, a direct buried splice and some aerial splices). This should be reflected on the work print.

12. ENCAPSULATION OF WIRE JOINTS AND SPLICES

The following change applies to Part 12 of the section:

- (a) 12.03 — added

12.03 Moisture Plugs must be placed in air core PIC cables in above ground buried cable closures. Section 631-600-902PT and 631-600-305PT describe the method of placing a moisture plug.

Note: Plugs should be placed in existing closures where:

1. Grading has raised the ground level above the cable opening, or
2. the closure may be subject to flooding.