

**CABLE SPLICING — GENERAL  
WATERPROOF CABLE**

**1. GENERAL**

1.001 This addendum supplements Section 632-410-204.

1.002 It is reissued because the main section has been revised.

**3. CORE PREPARATION**

The following change applies to Part 3 of the section:

- 3.02 — Note added

3.02 *Note:* It is unnecessary to clean the conductors when 13-and 14-type closures are used at PIC connect points.

**4. SPLICING**

The following change applies to Part 4 of the section:

- (a) 4.03 — added

4.03 At junctions of waterproof cable and pulp or paper-insulated conductor cables, a length of air core PIC cable must be spliced between the waterproof cable and the pulp or paper-insulated conductor cable. If the pulp or paper-insulated conductor cable is pressurized, a 10-type stub or its equivalent should be used.

**10. ENTRANCE TO BUILDINGS**

The following applies to Part 10 of this section:

- Part 10 — added

10.01 Waterproof cable should be used in buildings only when it is not practical to use air core PIC (PASP for buried and UG conduit). When it is necessary to place waterproof cable in buildings, the following rules should apply:

(a) **EXPOSED CABLE**

(1) Methods for terminating waterproof cable when the protector is located within 50 feet of the cable entrance are:

- (a) Splice waterproof cable to the stub cable of the protector.
- (b) Ground the field side of the cable as described in Addendum 631-400-102PT.
- (c) Cover splice with a hermetically sealed metallic or plastic splice closure.

(2) Methods for terminating waterproof cable when the protector is located more than 50 feet from the cable entrance are:

- (a) Splice an air core PVC jacketed stub cable to the waterproof cable at a suitable location within 50 feet of the cable entrance. Use an approved connector as outlined in Section 632-410-204.
- (b) Ground cable and cover with a hermetically sealed metallic or plastic splice closure as described in Addendum 631-400-102PT.

(3) Methods for placing *waterproof entrance cable* in a metallic conduit are:

- (a) Assure the metallic conduit is bonded with a No. 6 ground wire to the building ground at or near the entrance point.

(b) Splice an air core PVC stub cable to the waterproof cable as close as possible to the station end of the conduit using an approved conductor as outlined in Section 632-410-204.

(c) Cover with a metallic or plastic closure.

(d) If metallic case is used, bond case to the metallic conduit. If plastic closure is used, bond the field side of cable to the metallic conduit. In both instances, use No. 6 ground wire.

(e) Connect the other end of stub cable to the protector. Ground cable as shown in Addendum 631-400-102PT.

(b) **UNEXPOSED CABLE**

(1) When the waterproof cable extends no more than 50 feet into the building:

- (a) Splice a PVC jacketed stub cable to the waterproof cable using an approved connector as outlined in Section 632-410-204.

(b) Ground cable and cover splice as shown in Addendum 631-400-102PT.

(c) Terminate the other end of the stub cable on the building terminal.

(d) The method of grounding this end of the stub to the metallic housing of the building terminal is discussed in Part 9.

(2) Where metallic conduit is provided for the entrance cable:

- (a) Assure the metallic conduit is bonded with a No. 6 ground wire to the building ground at or near the entrance.

(3) Waterproof cable conductors should never be terminated directly on connector or protector blocks.