

B WIRE CONNECTOR

JOINING CONDUCTORS OF CABLE OR SERVICE WIRE

DESCRIPTION

The B wire connector is designed to be used on aluminum, copper, and copper-steel conductors with pulp insulation. It gives a reliable, but not waterproof, joint. It is not recommended for splicing any PIC cables.

The B wire connector is available loose or on taped rolls. In addition, the connector can be obtained lined or unlined. The lined connector has a plastic lining which is placed into the connector to prevent hang-up of wire ends which results in incomplete insertion.

A joint is made by fully inserting the ends of conductors into the B wire connector and pressing with an approved presser tool.

All B wire connector joints containing aluminum conductors, and all other joints that will be placed below ground, must be encapsulated as described in BSP 632-410-203.

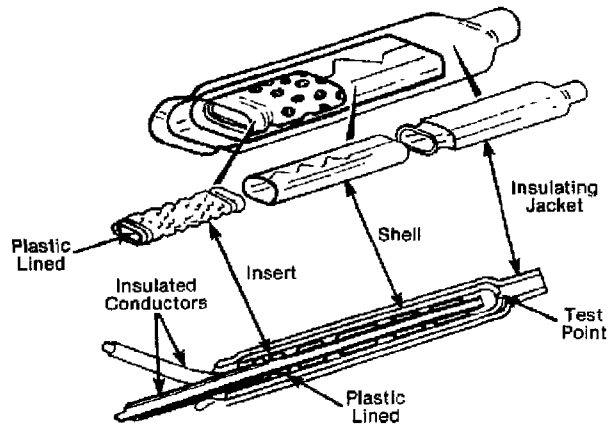
Where high splicing productivity is possible, taped, plastic-lined B wire connectors can be used.

The B, C, and D connector pressers are the approved presser tools for B wire connectors.

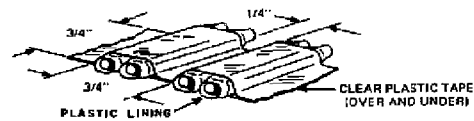
RULES FOR B WIRE CONNECTOR USAGE

Approved wire combinations are listed in BSP 632-205-201. Generally, the following rules must be observed:

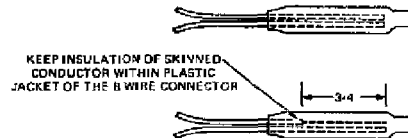
- (1) 26- and 24-gauge copper PIC conductors do not require insulation removal.
- (2) 22-gauge and larger copper PIC conductors must be stripped back 3/4 inch.
- (3) 26- through 22-gauge copper conductors insulated with pulp or paper do not require insulation removal.
- (4) 17- and 20-gauge aluminum conductors with insulation removed may be joined but encapsulation of the joints is required.
- (5) 20-gauge copper-steel conductors may be joined with the insulation removed.
- (6) Remove insulation from all gauges of polypropylene-insulated conductors in filled cable before being joined.
- (7) Some combinations of the above conductors are **not permitted** because of large differences in size. See BSP 632-205-201 for these combinations.



B Wire Connector



Lined, Taped B Wire Connectors



Conductors Installed in B Wire Connectors

ORDERING INFORMATION

- Loose: (qty) pk, Connector, Wire, B, AT-7759, A155472 (25 pieces/pk)
 (qty) pk, Connector, Wire, B, AT-7759, A155471 (1000 pieces/pk)
 (qty) pk, Connector, Wire, B, AT-7759, A158255 (25 pieces/pk) Lined
 (qty) pk, Connector, Wire, B, AT-7759, A158245 (1000 pieces/pk) Lined
 Taped: (qty) rl, Connector, Wire, B, AT-7759, A155478, Taped (250 pieces/rl)
 (qty) rl, Connector, Wire, B, AT-7759, A158047, Taped-Lined (250 pieces/rl)

REFERENCES

- AT-7759—Connector, Wire, B
 BSP 632-205-201—B Connector—Description and Approved Conductor Combinations
 BSP 632-410-203—Splicing PIC Cable—Encapsulation of Joints

