

MULTIPLE LINE WIRE B WIRE ADAPTER

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1. GENERAL

- 1.01** This section covers the description, uses, and installation of the B Wire Adapter on the support wire of multiple line wire.
- 1.02** This section is revised to delete the color code markings in the center of the adapter and to show the use of block wire as a fusible link between drop wire and multiple line wire.
- 1.03** The B Wire Adapter consists of three sets of spirally formed, class B galvanized, high strength steel wires. It is used to build up the diameter of the insulated support wire to facilitate the installation of span clamps or support wire mounted wire terminals. The inner surface which contacts the insulated support wire is coated with grit to increase the holding power. Each adapter is held together with two pressure sensitive tapes which have the size (109 or 120) and name printed on them. They are furnished in packages of ten.

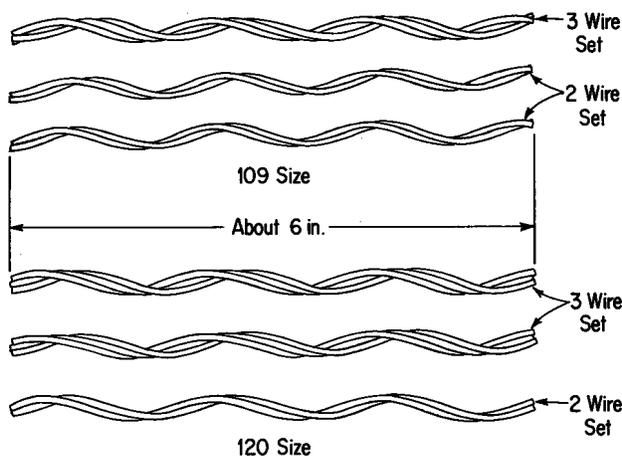


Fig. 1 — B Wire Adapter

2. USES

- 2.01** Precautions for use of B Wire Adapters on the support wire of multiple line wire:
- (a) **DO NOT PLACE A LADDER AGAINST MULTIPLE LINE WIRE.**
 - (b) Do not place a B Wire Adapter further from a pole than a man can reach, as a ladder cannot be placed against a multiple line wire. (Where the adapter is placed from an aerial lift truck or a ladder truck and where the bucket or platform is not in any way supported by the multiple line wire, the adapter can be placed any distance up to 30 feet from the pole. However, future maintenance operations must always be performed from the same type of equipment.)
 - (c) **Do not attach more than two drop wires to any one span.** Where two drop wires are attached at one end of a span, either on one or on two span clamps, no drop wire can be attached to the other end of the same span.
 - (d) Do not attach a multiple drop wire to the support wire of multiple line wire.
- 2.02** The B Wire Adapter is used:
- (a) To attach drop wire to the support wire of multiple line wire in order to obtain clear climbing space.

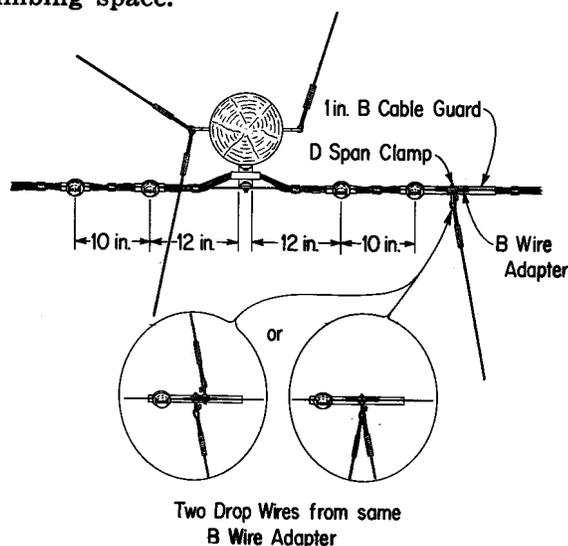


Fig. 2 — Clear Climbing Space

(b) To attach drop wire to the support wire of multiple line wire in order to clear obstructions such as a tree, building, power attachment, etc.

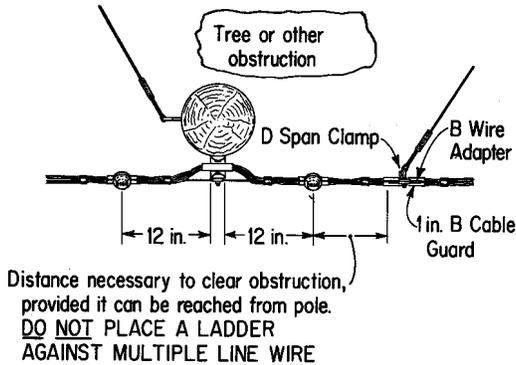


Fig. 3 – To Clear Obstructions

(c) To install a 6-pair or 16-pair wire terminal on the support wire of a multiple line wire. For more detailed information see Sections 624-300-200 and 624-300-211.

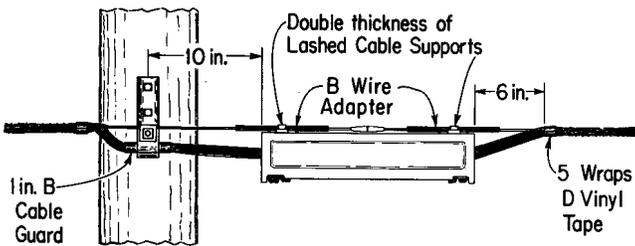


Fig. 4 – To Attach Wire Terminal to Support Wire

3. INSTALLATION

3.01 The B Wire Adapter is installed as shown in Figs. 5 through 9:

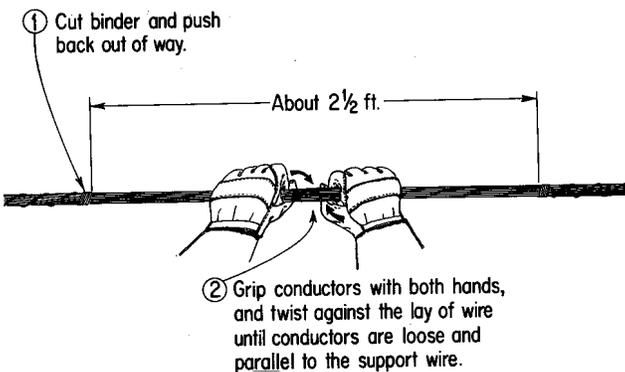
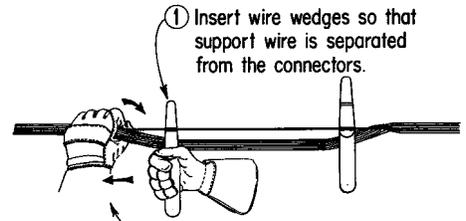


Fig. 5 – Untwist Conductors



- ① Insert wire wedges so that support wire is separated from the connectors.
- ② Continue twisting conductors and working wedges until they are 16 inches apart.
- ③ Push wedges through so support wire rests in upper groove.
- ④ Place 1 - inch B Cable Guard over conductors.

Fig. 6 – Place Wire Wedges

- ① Do not remove insulation from support wire.
- ② Hold adapter along side support wire to find proper location.

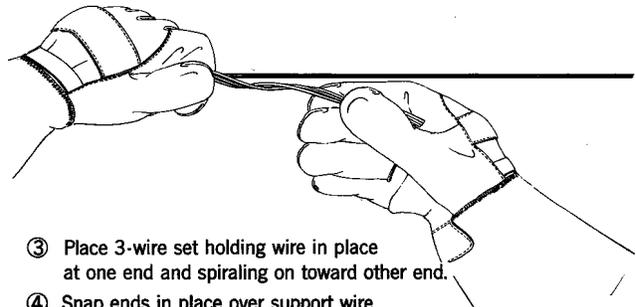


Fig. 7 – Place First Set

- ① Place second 3-wire set for 120 size or first 2-wire set for 109 size.

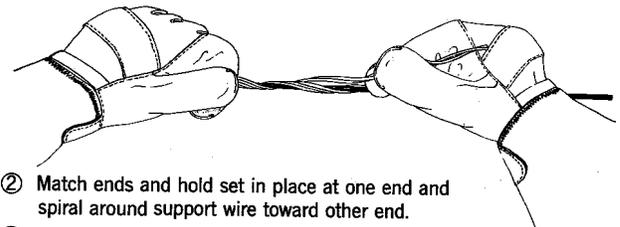


Fig. 8 – Place Second Set

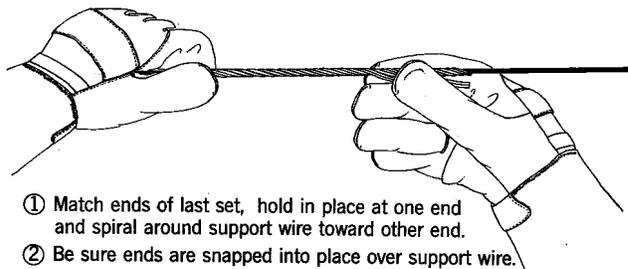


Fig. 9 – Place Third Set

3.02 Place D Span Clamp in center of adapter as shown in Fig. 10.

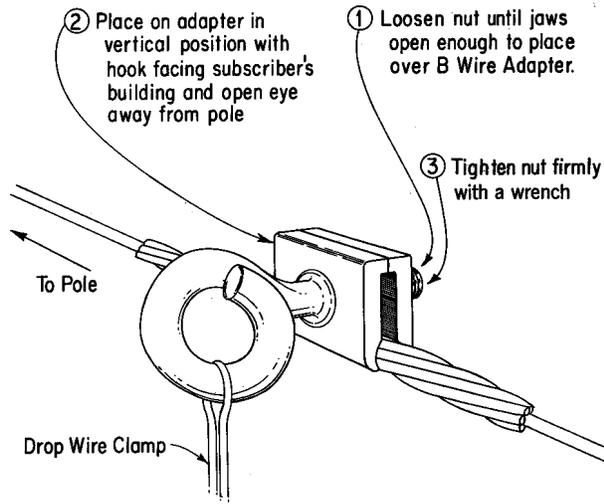


Fig. 10 – Place D Span Clamp

4. INSTALLING WITH 105A WIRE TERMINALS

4.01 A B Wire Adapter is installed at a 105A Wire Terminal as shown in Fig. 11.

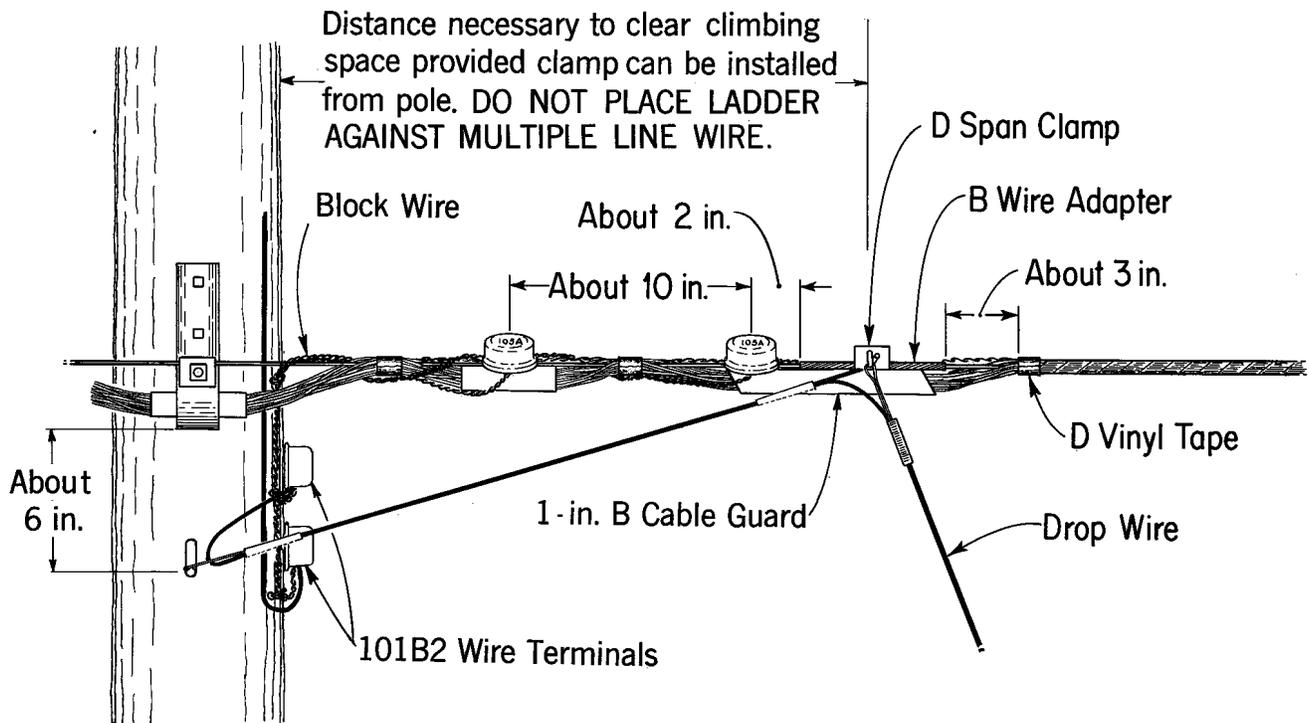


Fig. 11 – Adapter Used for Climbing Clearances

4.02 At 105A Wire Terminals where the B Wire Adapter is used to attach drop wires to the support wire in order to clear obstruction, install terminals and adapter as shown in Fig. 12.

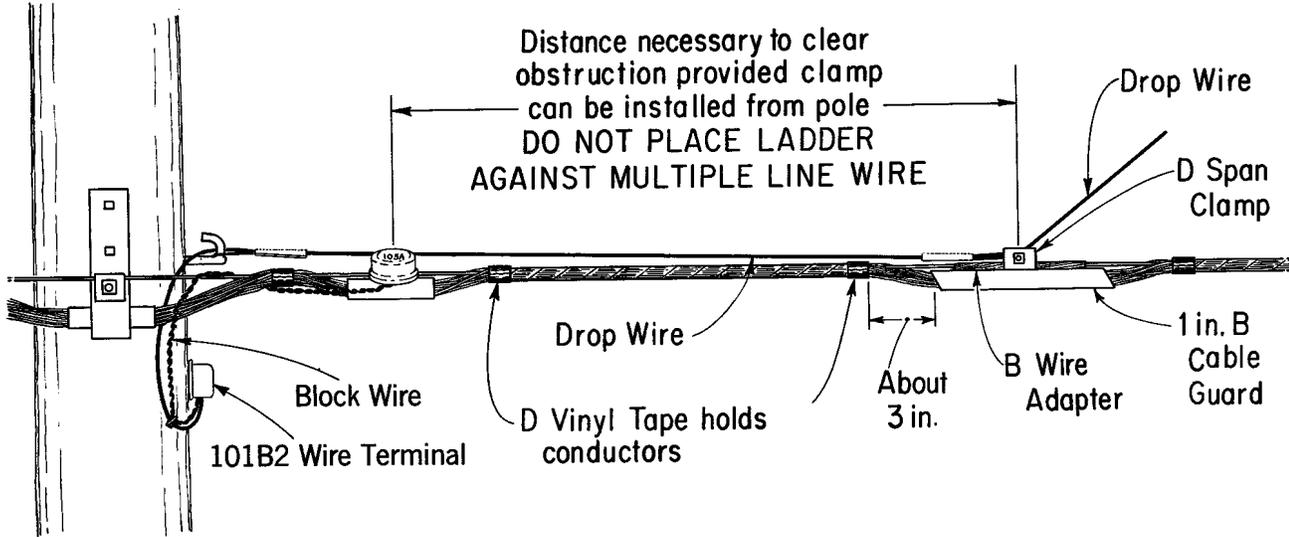


Fig. 12 – Adapter Used for Clearances of Obstructions