

**INSTALLATION PROCEDURES
FOR 89-TYPE CONNECTORIZED BLOCK
WITH 711- OR TRW-TYPE CONNECTORS**

General

This instruction sheet provides requirements and installation procedures that apply to connectorized cables and 89-Type Connecting Blocks equipped with four (4) 711- or four (4) male (plug) TRW-type Connectors. Specifically, this sheet includes the following procedures:

- Mounting connecting blocks with 711- or TRW-type connectors on short stubs.
- Requirements for tandem blocking arrangements.

Equipment Description

The 89-Type Connecting Blocks connectorized with the 711- or TRW-type connectors are generally used with connectorized cables from 5ESS or other digital switches, and miscellaneous equipment.

How to Contact Us

- To find out more about **Carrier Apparatus** products, visit us on the web at: <http://cw.commscope.com/>
- For technical assistance regarding Carrier Apparatus products: contact your local CommScope account representative or CommScope technical support at 1-800-344-0223.
- Report any missing or damaged parts to CommScope customer service in Omaha, Nebraska, at 1-866-539-2795.

References

- ED97952-12, designation labels used on the covers of the 89-type connecting blocks. (Labels do not come with the block and must be ordered separately.)

Materials Required

- Screwdriver
- Vinyl tape
- Nylon ties
- 851A (R-4774) 711 closing tool

STEP 1—HANDLING OF CABLE

The connectorized cable may be provided either double- or single-ended. Care must be taken when running connectorized cable to protect the connectors and their associated cable conductors. It is best to thread the cables (either double- or single-ended) from equipment frames to the distributing frame.

1. Run the associated connectorized cable to the predetermined distributing frame location. Drape the end of the cable into the aisle below the connecting block location on which the cable will be terminated.
2. Dress and loosely secure the connectorized cable assembly to the distributing frame crossarm with plastic tie wraps or other approved methods.

STEP 2—MOUNTING CONNECTING BLOCKS WITH 711- or TRW-TYPE CONNECTORS ON SHORT STUBS

1. The 89-type connecting block consists of two major components, a terminal block assembly and a housing. The terminal block assembly can be rotated 180 degrees in the housing to provide front-facing access to the wiring terminations on the back side of the terminal block assembly. The rear of the housing has four cable wire entry ports at the bottom, eight slotted mounting holes, and four slotted cross-connect wire slots (secondary fanning strip) at the top. At the bottom of the housing is a latch for locking the terminal block assembly in place, and hinge cutouts for the designation cover.
2. To mount the 89-type connecting block, the terminal block assembly may be removed. Depress the latch at the bottom front edge of the housing assembly and rotate the block 180 degrees. To remove, spread the sides of the housing outward at the top and remove the block body from the housing. Position the housing on the frame and secure with the four screws provided for each block. Snap the terminal block assembly back into the housing one side at a time, then rotate the connecting block assembly to the open wiring position. (See Figure 1 and Figure 2 on page 4.)

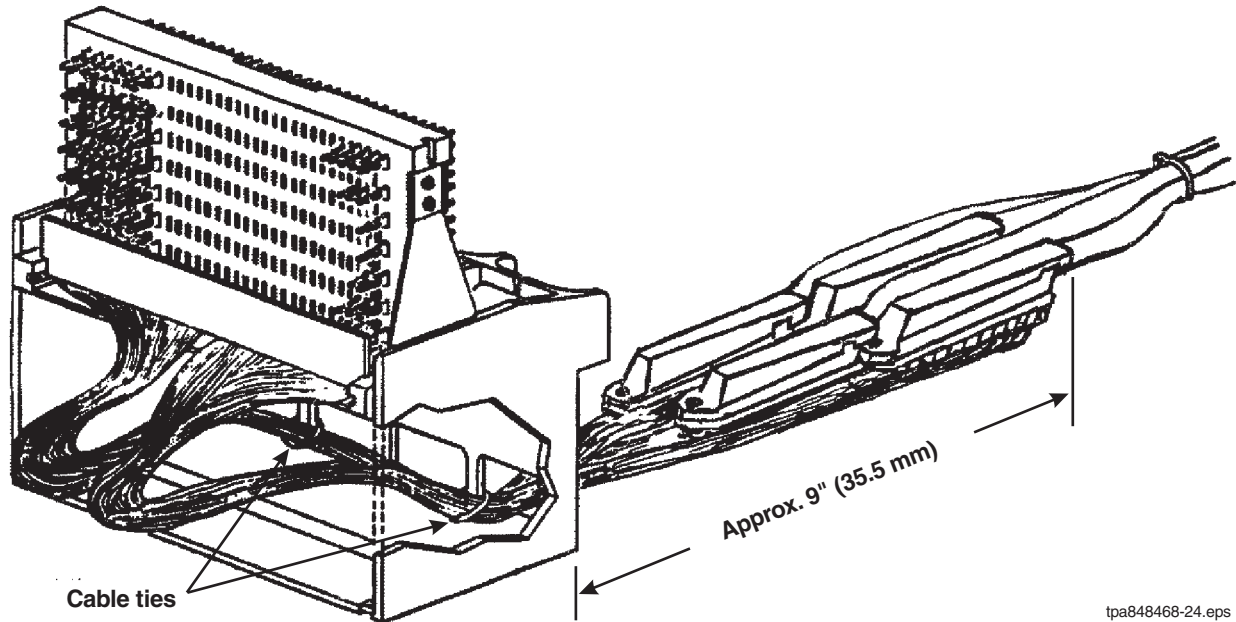


Figure 1. Block Rotated to Open Wiring Position with TRW-Type Connectors

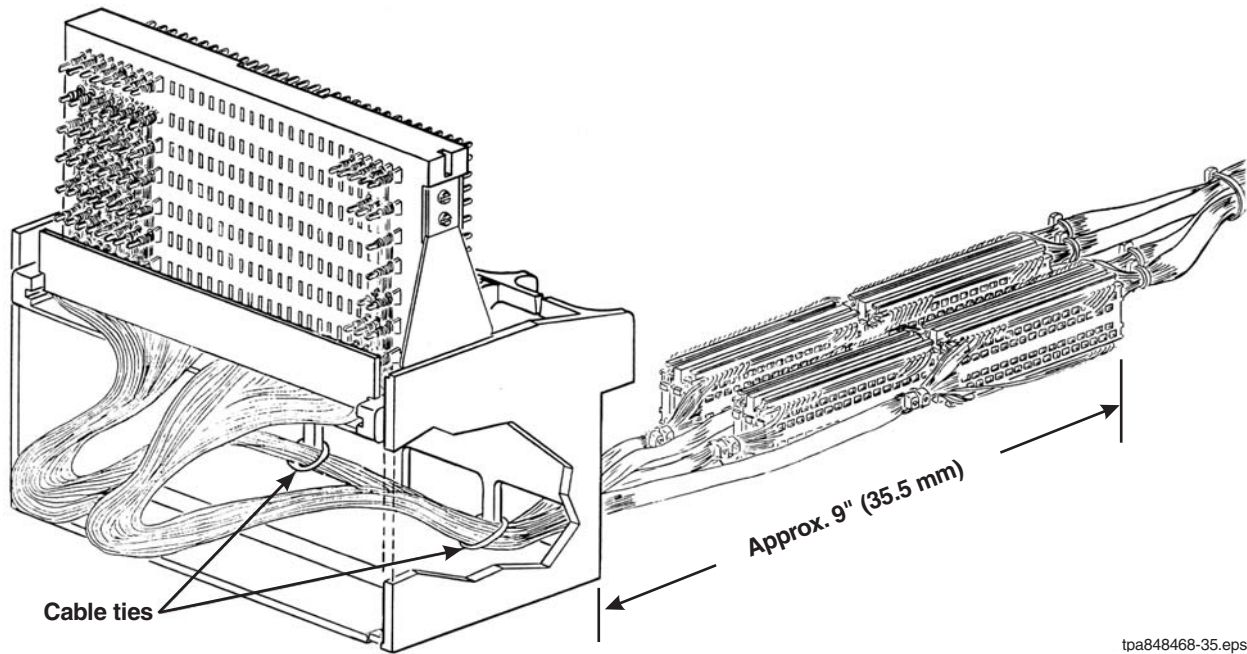


Figure 2. Block Rotated to Open Wiring Position with 711-Type Connectors

3. Secure the connecting block pigtails (leads) with nylon ties inside the block housing as follows:
 - a) Secure two (2) pigtails associated with the left hand portion of the block (as viewed from the front) using a cable tie at location "A" in Figure 3. The location is the same for 711- and TRW-type connectors.
 - b) Secure two (2) pigtails associated with the right hand portion of the block and two (2) pigtails associated with the left hand portion of the block (as viewed from the front) using a cable tie at location "B" in Figure 3 on page 5. The location is the same for 711- and TRW-type connectors.

⇒ NOTE:

The 711- or TRW-type connectors should protrude from the back of the block approximately nine (9) inches and be aligned in a 2x2 arrangement. Dress wires inside the block into an "S" configuration. (See Figure 1 on page 3 and Figure 2.)

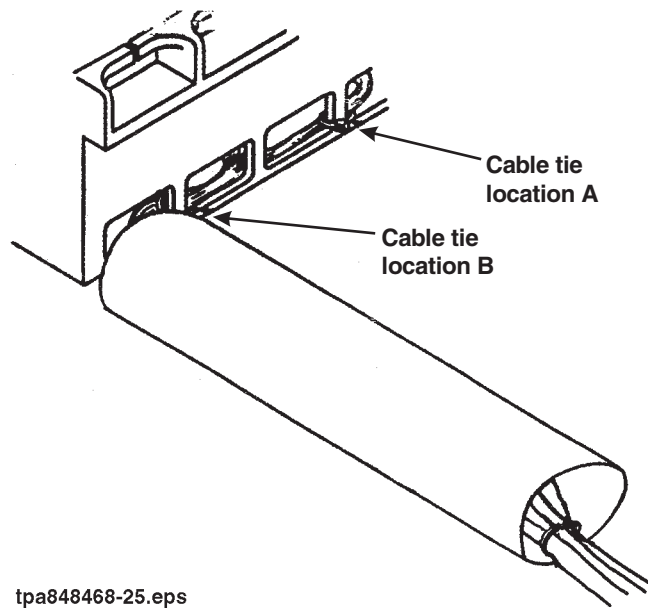


Figure 3. Cable Tie Locations A and B

3. Slip the vinyl sleeve over connectors A, B, C, and D of the associated connector cable assembly. The location is the same for 711- and TRW-type connectors. (See Figure 3.) Push the sleeving back over the butt of the connector cable and temporarily secure.
4. Feed the connectorized tail of the connector cable under the associated 89 block mounting location and drape it into the front aisle.
5. Mate and press together the matching connector components at the front of the frame. For 711-type connectors, use the 851A (R-4774) 711 closing tool.
6. Fold the mated assembly back to the transverse the arm of the frame; Dress all four (4) pigtails to provide a 2 x 2 arrangement of connectors as close to the rear of the block housing as possible.
7. Slide the vinyl sleeving over connectors and secure with ties. Vinyl tape can be used to close the ends of the sleeving if required. (See Figure 3.)
8. Pull the excess slack into the vertical side of the frame and provide a six-inch drip loop. Pull any additional slack into the overhead cable rack and dress in the standard manner.
9. Tighten all cable ties and trim. Snap the terminal block section into the closed position and secure the cover.

STEP 2A—REQUIREMENTS FOR TANDEM BLOCKING ARRANGEMENTS

Where a connectorized 89-type block is used in a tandem blocking arrangement, the mated connector assemblies and associated vinyl sleeving shall be temporarily secured to the transverse arm to provide access to the existing equipment. This will minimize interference with jumper running operations.

STEP 3—INSTALL BLOCK DESIGNATION COVER

1. 1. Align the hinges on the bottom of the cover with the hinge cutouts on the housing.

⇒ NOTE:

Labels per ED97952-12 (which does not come with the block are ordered separately) should be applied before installation of the cover.

2. Hold the cover almost closed so it touches the fanning strip and press upward under the cover hinges until they “snap” onto the housing.
3. Press the top center of the cover until it “snaps” onto the fanning strip.

STEP 4—COVER REMOVAL

1. Unlatch the cover at the top.
2. Hold the cover almost closed and push down at the upper left and upper right corner of the cover to release the hinges on the bottom of the cover from the block housing.