

**FlexBET™ Cross-connect Layer Kit**



Figure 1 — FlexBET™ Cross-connect Layer Kit (100-pair Outdoor and Indoor shown)

**Revision History**

Issue	Date	Reason for Change
2	09/2004	Revised product terminology of the toolless Insulation Displacement Contact (IDC) connector block.
1	09/1999	Initial Release

**1. GENERAL**

This instruction describes the installation of the Cross-connect Layer Kit manufactured by Corning Cable Systems into a Corning Cable Systems FlexBET™ unit.

## 2. DESCRIPTION

The FlexBET™ Cross-connect Layer kit is used to upgrade existing FlexBET™ unit installations when cross-connect or multiplexing capabilities are required. Kits are available in 50-pair and 100-pair housing sizes, indoor and outdoor applications. Cross-connect and multiplexing blocks must be ordered separately.

## 3. INSTALLER PRECAUTION

 **WARNING:** Do not install this unit or work with telephone wiring during a lightning storm. Telephone lines can carry high voltages from lightning which can cause electric shock resulting in severe Injury or death.

## 4. INDOOR APPLICATIONS

**4.1** Use the line list on the inside of the Building Entrance Terminal (BET) cover to note the locations of subscriber wires. Remove subscriber wire from the IDC connectors on the BET layer. Remove the cover from the BET by lifting it off the hinges (Figure 2).

**4.2** To install the cross-connect layer, align the hinges on the cross-connect layer with the hinges on the BET layer. Align the bottom hinge first, then the top hinge, and allow the layer to slide down (Figure 3).



Figure 2 — Remove BET Layer Cover



Figure 3 — Install Cross-connect Layer

**4.3** Open the cover on the cross-connect layer (Figure 4a) to install cross-connect blocks or other accessories (sold separately) following the instructions provided with each accessory. After installing accessories, close the layer (Figure 4b) and secure it (Figure 4c) by tightening the screw in the upper left corner.

**4.4** Rerterminate subscriber wires on the front side of the cross-connect layer.

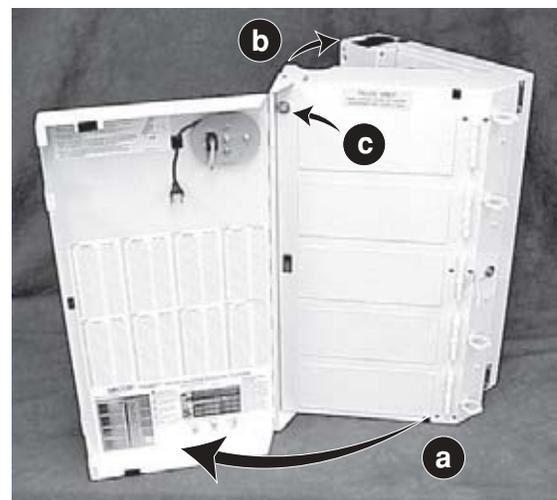


Figure 4 — Install Accessories

**4.4.1** Using your fingertip, pull the IDC lever up to approximately a 45-degree angle, exposing the white tip and orange ring holes (Figure 5).

**4.4.2** Insert the insulated wires in the tip and ring holes as shown in Figure 5. Visually verify through the transparent lever that both wires are inserted fully (Figure 6). Push the lever down to make the electrical connection. Write down the location of the subscriber wires on the list provided on the cross-connect cover.

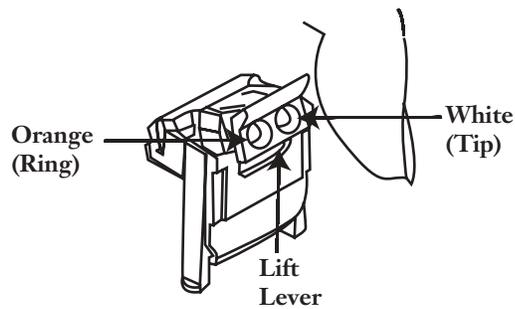


Figure 5 — Open IDC Lever

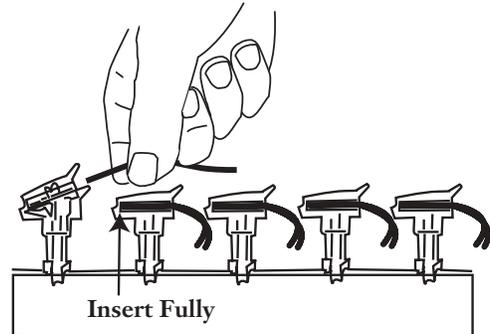


Figure 6 — Ensure Connection

**4.5** Install jumper wires using the instructions provided on the label on the inside housing cover.

**4.6** Close the cover on the cross-connect layer.

## 5. OUTDOOR APPLICATIONS

**5.1** Use the line list on the inside of the BET cover to note the locations of subscriber wires. Remove subscriber wires from the IDCs on the BET layer and move them aside to the right of the BET layer.

**5.2** To install the cross-connect layer, align the hinges on the cross-connect layer with the hinges on the BET layer. Align the bottom hinge first, followed by the top hinge, and allow the layer to slide down (Figure 7).

**5.3** Install cross-connect blocks or other accessories (sold separately) following the instructions provided with each accessory.



Figure 7 — Install Cross-connect Layer

5.4 Secure the cross-connect layer by tightening the screw in the upper left corner (Figure 8).

5.5 Rerminate subscriber wires on the front side of the cross-connect layer.

5.5.1 Using your fingertip, pull the IDC lever up to approximately a 45-degree angle, exposing the white tip and orange ring holes (Figure 5).

5.5.2 Insert the insulated wires in the tip and ring holes as shown in Figure 5. Visually verify through the transparent lever that both wires are inserted fully (Figure 6). Push the lever down to make the electrical connection. Write down the location of the subscriber wires on the list provided on the cross-connect cover.

5.6 Install jumper wires using the instructions provided on the label on the inside housing cover.

5.7 Follow the instructions that came with the accessory and the instructions shown on the housing cover to continue with the installation of wires.



Figure 8 — Secure Cover

### Customer Service and Information

Telephone: \_\_\_\_\_

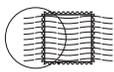
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