GigaBIX Termination Kit, 72-ports

**Basic Components**
- GigaBIX Connector, 4-Pair: AX101447 (12X) Suitable for 22 to 26 wire gauge
- Dispositif de retenue GigaBIX: AX101486 (12X)
- GigaBIX Mount: AX101472 (1X)
- Porte-étiquettes GigaBIX: AX101483 (6X)
- Termination Bar (72X) AX101719

**Accessories**
- LabelFlex labels (not included)
  - AX101532 - Gray
  - AX101533 - White
  - AX101534 - Orange
  - AX101535 - Red
  - AX101536 - Yellow
  - AX101537 - Green
  - AX101538 - Blue
  - AX101539 - Purple
  - AX101540 - Brown
  - AX101541 - Silver

**Standard Tools and Materials**
- Marker
- Measuring tape
- Spirit Level
- Cutters
- BIX Connecting Tool
- Wood screws (2X) #8-3/4"
- Velcro Strip 18” AX101519 (2X)

**Cross-Connect Layout Patch Cord Layout**

1. Route jumper wires as shown.
2. Using your hand, form a three inch portion of slack close to lower connection.

Route patch cords from field to field.

**Cross-Connect Routing**

**Important Installation Note!**
This document includes the use of the GigaBIX Termination Bar AX101719. This new and important component is installed at the step 6H of this document. For detailed installation instructions refer to the related document PX103843 that is included in the Termination Bar package!
1. Marking Wall/Mounting Surface
   Measure, and using a level, mark wall or mounting surface.

   - Draw a vertical line (8" or more from the wall)
   - Draw a horizontal line 48" from the floor

2. Attaching the first GigaBIX Mount
   Orient mount to lines. Mark screw locations and using #8 x 3/4" wood screws, fasten to wall.

   - Keep mount straight with line!
   - Position mount with arrow facing up.

3. Attaching additional GigaBIX Mounts
   Attach two rings in second mount and engage in first mount. Secure second mount.

   - Note: Use rings horizontally and vertically to position additional mounts.

4. Completing Wall Hardware
   Continue the installation adding the required mounts. Secure external rings in their positions as shown.
   (Typical system layout shown below)

   - Equipment or Distribution fields

   - System Growth

   - 5 7 11
   - 3 4 10
   - 1 2 9
   - 6 8 12

1. Marking Wall/Mounting Surface
   Measure, and using a level, mark wall or mounting surface.

   - Draw a vertical line (8" or more from the wall)
   - Draw a horizontal line 48" from the floor

2. Attaching the first GigaBIX Mount
   Orient mount to lines. Mark screw locations and using #8 x 3/4" wood screws, fasten to wall.

   - False Wall Cut out hole for cables routing through wall

3. Attaching the first Patch Cord Bracket
   Orient patch cord bracket to line. Mark screw locations and using #8 x 3/4" wood screws, fasten to wall.

   - Butt tabs against mounts to produce the correct spacing.

4. Completing Wall Hardware
   Continue the installation adding the required hardware.
   (Typical system layout shown here)
5. Routing 4-pair Cables

5A. Route lower mount cable bundle first. (Note: Cables routing from the top down shown here)

5B. Using Velcro secure bundle form in the center lance on the right side of the mount.

Note: To minimize cable congestion when routing, work cables into a parallel oval form before bundling and securing to mount.

5C. Form and route upper mount cable bundle into upper mount

5D. Secure both upper and lower bundles at the upper lance locations with Velcro and route cables down the center of the mounts.

6. Terminating Connectors

6A. Snap a GigaBIX connector into the second position from the top in the upper mount. Use the color code and polarizing feature to correctly orient the connector.

6B. Select the appropriate cable and position over its pair segment on the connector.

6C. Before stripping jackets, fan out each cable to its position on the connector. Do not cross over cables! Fan directly to their positions!

6D. Remove a small portion of the jacket to expose rip cord.

6E. Slit jacket to the edge of the connector.

Note: Hold each cable taut to its position on the connector when stripping!

6F. Cut off excess jacket, strength member and cord at the strip point.

6G. Prepare all six cables to the edge of the connector.

Note: The stripping point, and the connector position, ensures the optimum amount of cable slack! To avoid a buildup or cable slack that could create congestion, always prepare cables accurately to these points!

Color Code

Position

Polarizing feature

Pair #1

Color code

Blank Pair

Pair #24

6Cables:

1 2 3 4 5 6

Note:
The stripping point, and the connector position, ensures the optimum amount of cable slack! To avoid a buildup or cable slack that could create congestion, always prepare cables accurately to these points!
6H. Install the GigaBIX Termination Bars.

6I. Using the Belden CDT BIX Connecting Tool, terminate the row.

6J. Snap on a GigaBIX Wire Retainer over the terminated connector.

6K. Remove and rotate the connector and reposition in the top slot in the mount.

6L. Position the next six cables for terminating on connector #2. Terminate as previously shown.

* Important Installation Note!
The GigaBIX Termination Bar AX101719 is installed at this step! For detailed installation instructions, refer to the related document PX103843.

6M. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6N. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6O. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6P. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6Q. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6R. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6S. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6T. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6U. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6V. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6W. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6X. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6Y. Position the next six cables for terminating on connector #2. Terminate as previously shown.

6Z. Position the next six cables for terminating on connector #2. Terminate as previously shown.

7. Cable Identification
7A. Print or mark identification labels
7B. Apply to the slot in the strip

8. Cross-Connect Wire Installation
8A. Connect and route jumper wires through rings to the other field.

9. Patch Cord Installation
9A. Use the word "TOP" to orient the patch cord, and push patch cord head firmly into the connector.
9B. Route cable into patch cord organizer to the corresponding connection on the distribution field.

For additional technical information on GigaBIX or our other connectivity products, call our Technical Support department at 1-800-858-7954