

Installation Guide

10G IDC Patch Panel

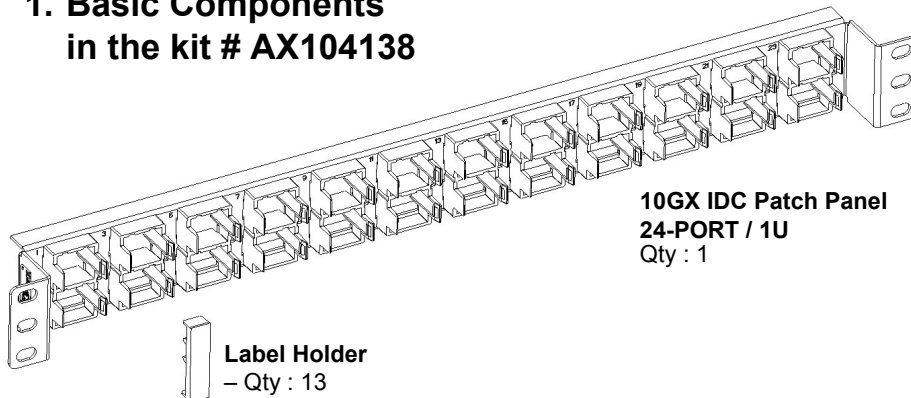
Mounting on 19" racks

Doc # PX104781 Release A

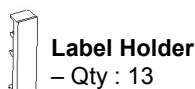
1 of 2 pages

BELDEN
SENDING ALL THE RIGHT SIGNALS

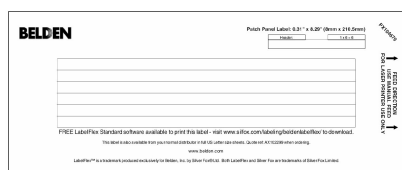
1. Basic Components in the kit # AX104138



**10GX IDC Patch Panel
24-PORT / 1U**
Qty : 1



Label Holder
- Qty : 13



LabelFlex™ Half-Sheet , Qty : 1

Machine Screws:
10-32NF Qty: 4
12-24NC Qty: 4

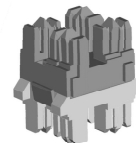


Related Components (not included in the kit)

**Front X-Bar
AX102679**



**10GX IDC Connecting
Block
AX104139**



**Rear X-Bar
AX102680**

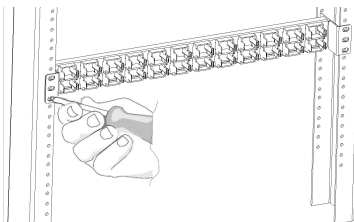


Terminating 10GX IDC Connecting Blocks
refer to Installation Guide : PX105081

LabelFlex™ Software : AX101569
printing instruction is available in the
«Information Center» of BELDEN
web site – www.belden.com

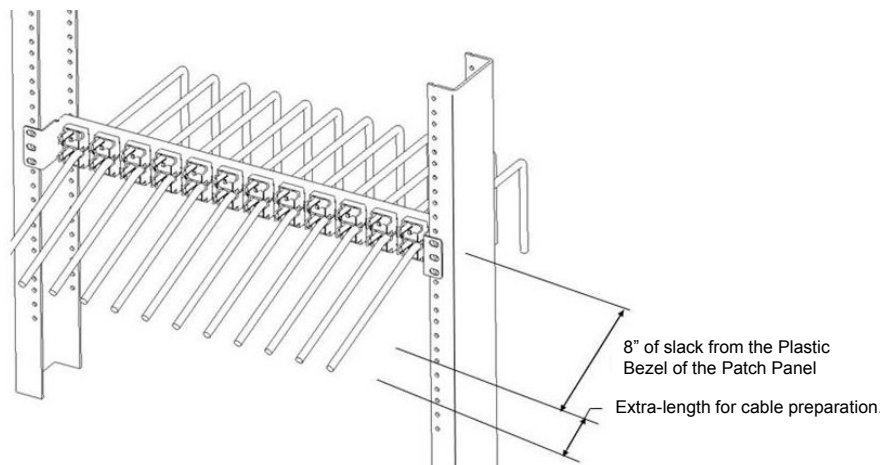
LabelFlex™ Sheet
- "letter size" sheet
Ordering no. - AX103257 (5 sheets / pack)

**2. Using the appropriate screws, attach the
Patch Panel into the rack.**

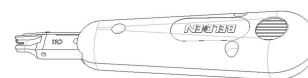


3. Preparing Rear Cables

- 3.1. Extend cables through the openings in a IDC Patch Panel.
- 3.2. To produce the necessary slack, mark the cables at approx. 8" from the IDC Patch Panel .
- 3.3. Make provision for cable preparation. Refer to **Installation Guide PX105081**.



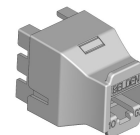
GigaFlex Connecting Tool – AX100749



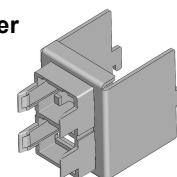
Cable Preparation Tool – 1797B



**10GX Permanent Link Test Adaptor
- AX104006**



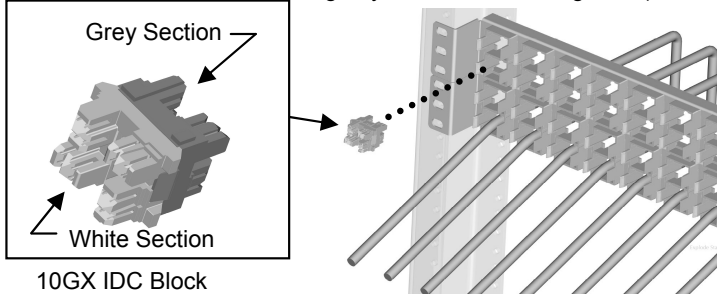
**10GX Termination Holder
AX104137**



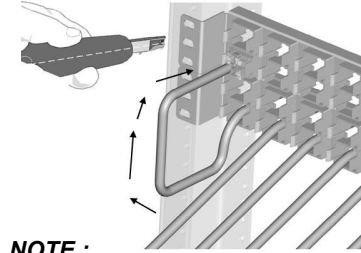
Standard Tools required
- Phillips screwdriver
- cutting pliers

4. Terminating Rear Cables onto 10GX IDC Connecting Block .

- 4.1. Install a second 10GX IDC Patch Panel above the first one.
- 4.2. Position a 10GX IDC Block AX104139 with the Grey Section facing the rear in the Plastic Bezel of the second IDC Patch Panel as shown (Ensure the polarizing-key features match together)

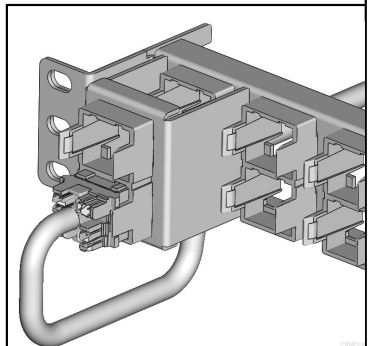
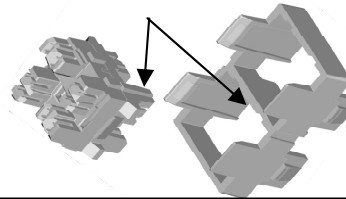


- 4.3. A- As per Instructions from Installation Guide PX105081 prepare the cable with the Rear X-Bar AX102680 (Orange) in place and Terminate the Block with the GigaFlex Tool AX100749.
B- Remove the wired Block from the IDC-Patch Panel,
C- Flip-back the wired-Block in his proper Patch Panel Bezel.
D- Repeat step 4.1 to 4.3 for each position.



NOTE :

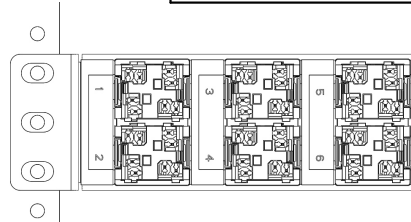
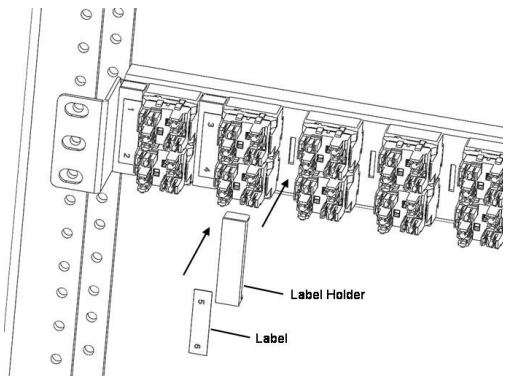
Ensure the polarizing-key features match together when the wired-Block is flip-back in place in the Patch Panel Bezel.



Installer's Tip : use 10GX Termination Holder AX104137 if a second 10GX IDC Patch Panel is not in place for the operation of Terminating Rear Cables .

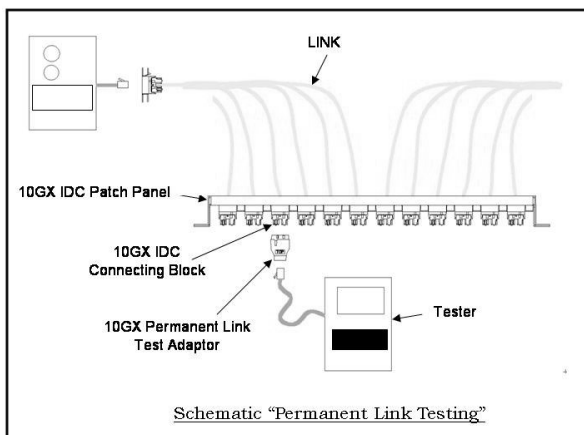
5. Labeling 10GX IDC Connecting Block onto Patch Panel.

- 5.1. Program LabelFlex Software to print Label as required.
- 5.2. Appose printed Label on the right side and vertically center over a Label Holder.
- 5.3. Clip the Label Holder onto the Patch Panel.



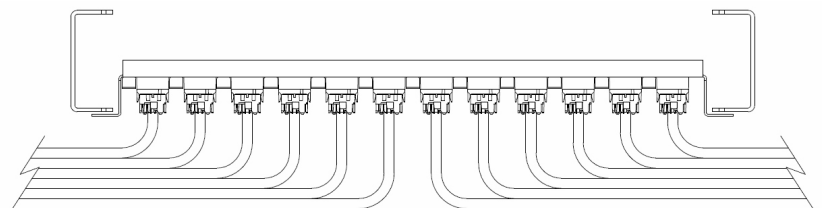
Installer's Tip : Appose the label on the right side of the Label Holder to make the Port identification more intuitive for the customer.

6. Tool 10GX IDC/RJ45 Test Head Adaptor to verify Permanent Link of the channel on the rear side of the 10GX IDC Connecting Block has to be use at this step before making step 7 .



7. Terminating Front Cables onto 10GX IDC Connecting Block .

- 7.1. Prepare the Front Cable with the Front X-Bar AX102679 (Black) as per the Instructions describe in the Installation Guide PX105081 and Terminate the Block with the GigaFlex Tool AX100749.
- 7.2. Set-up the Cables split equally on both sides of the Patch Panel as shown in the schematic for a better Cables distribution.



SCHEMATIC VIEW

8. Disconnecting Front Cables from 10GX IDC Connecting Block .

- 8.1. With your fingers, support the IDC Connecting Block by the sides as pointed-out by the arrow.
- 8.2. As shown, pull straight on the cable to disconnect from the IDC Connecting Block.

