

## AX104227 Faceplates and Panels - CAT6+ Coupler Patch Panel - KeyConnect



For more Information  
please call

1-800-Belden1

**Description:**

CAT6+ KeyConnect Coupler Patch Panel, 24-port, 1U, Black

**Usage (Overall)**

<b>Suitable Applications:</b>	IBDN System 3600 CAT6+, TIA Category 6
<b>Related Parts:</b>	CAT6+ Pre-Terminated Cable Assemblies and CAT6+ Modular Cords

**Physical Characteristics (Connectivity)****Capacity**

<b>Max. Capacity:</b>	24 connectors (Patch Panel is factory-assembled)
-----------------------	--

**Access**

<b>Front Connection:</b>	Flush
<b>Termination Area:</b>	Rear

**Dimensions****Dimensions:**

Height (in.)	Width (in.)	Depth (in.)
1.750	19.000	1.520

**Materials****Materials:**

Description	Material
Panel	Steel

**Color**

<b>Color:</b>	Black
---------------	-------

**Weight**

<b>Weight:</b>	1.978 lbs.
----------------	------------

**Included Parts**

<b>Included Parts:</b>	4 Screws (10x32); 4 Screws (12x24); 1 Printable LabelFlex Half-Sheet; 2 Velcro Straps; 2 Rear Cable Management Bracket, 1 Installation Guide, 1 10GX X-BAR kit
------------------------	--

**Packaging**

<b>Packaging:</b>	Individually packaged in a cardboard box.
-------------------	---

**Mechanical Characteristics (Connectivity)**

<b>Plug / Jack Compatibility:</b>	RJ45
-----------------------------------	------

**Termination Interface:**

Termination	Connection	Durabilities
Front	Mated Connection	750 Cycles
Rear	Mated Connection	750 Cycles

**Termination Characteristics:**

Termination Characteristic
Universal T568A/B

<b>Storage Temperature Range:</b>	-40°C To +70°C
-----------------------------------	----------------

**AX104227 Faceplates and Panels - CAT6+ Coupler Patch Panel - KeyConnect**

Installation Temperature Range:	-10°C To +60°C
---------------------------------	----------------

Operating Temperature Range:	-10°C To +60°C
------------------------------	----------------

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

Other Standards:	FCC Part 68, Subpart F, IEC 60603-7
------------------	-------------------------------------

EU Directive 2002/95/EC (RoHS):	Yes
---------------------------------	-----

EU RoHS Compliance Date (mm/dd/yyyy):	08/01/2009
---------------------------------------	------------

MII Order #39 (China RoHS):	EUP 50
-----------------------------	--------

Telecommunications Standards:	Category 6 - TIA 568.C.2, ISO/IEC 11801:2002 Ed.2
-------------------------------	---

Safety Listing:	Bi-national Standard Listed
-----------------	-----------------------------

**Suitability**

Suitability - Indoor:	Yes
-----------------------	-----

**Transmission Characteristics (Connectivity)****Mated Connection Table 1:**

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden** (dB)	Min. NEXT TIA* (dB)	Min. NEXT Belden** (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)
1.000	0.100	0.100	75.000	75.000	75.000	77.000
4.000	0.100	0.100	75.000	75.000	71.100	75.100
8.000	0.100	0.100	75.000	75.000	65.000	69.000
10.000	0.100	0.100	74.000	74.000	63.100	67.100
16.000	0.100	0.100	69.900	69.900	59.000	63.000
20.000	0.100	0.100	68.000	68.000	57.100	61.100
25.000	0.100	0.100	66.000	66.000	55.100	59.100
31.250	0.110	0.110	64.100	64.100	53.200	57.200
62.500	0.160	0.160	58.100	58.100	47.200	51.200
100.000	0.200	0.200	54.000	54.000	43.100	47.100
200.000	0.280	0.280	48.000	48.000	37.100	41.100
250.000	0.320	0.320	46.000	46.000	35.100	39.100
280.000		0.330		44.100		38.200
300.000		0.350		42.900		37.600

**Mated Connection Table - Footnote:**

\* TIA/EIA-568-C.2 Category 6 Standard \*\* Worst-case performance for a CAT6+ mated connection using CAT6+ modular plugs on both sides

**Mated Connection Table 2:**

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. Balanced TCL/TCTL TIA* (dB)	Min. Balanced TCL/TCTL Belden** (dB)
1.000	30.000	32.000	40.000	42.000
4.000	30.000	32.000	40.000	42.000
8.000	30.000	32.000	40.000	42.000
10.000	30.000	32.000	40.000	42.000
16.000	30.000	32.000	40.000	42.000
20.000	30.000	32.000	40.000	42.000
25.000	30.000	32.000	40.000	42.000
31.250	30.000	32.000	38.100	42.000
62.500	28.100	32.000	32.100	36.100
100.000	24.000	28.000	28.000	32.000
200.000	18.000	22.000	22.000	26.000
250.000	16.000	20.000	20.000	24.000
280.000		19.100		23.100
300.000		18.500		22.500

Dielectric Strength:	1,000V RMS @ 60Hz for 1 minute
----------------------	--------------------------------

Current Rating:	1.500 A
-----------------	---------

**AX104227 Faceplates and Panels - CAT6+ Coupler Patch Panel - KeyConnect**
**Insulation Resistance:** 500 M-Ohm Minimum

**Max. Contact Resistance:** 20 m-Ohm
**Notes (Overall)**

**Notes:** For proper installation refer to Installation Guide PX104691 included with the product or visit our web site at <http://www.belden.com/pdfs/Techpprs/InstallationGuide.pdf>

**Product Family****Part Numbers:**

Description	Item Number
KeyConnect PP CAT6, 1U24P, Black	AX103253
KeyConnect PP CAT6, 2U48P, Black	AX103255
KeyConnect UHDPP CAT6, 1U48P, Black	AX103263
KeyConnect PP CAT6, 1U24P wt couplers, Black	AX104227
KeyConnect PP CAT6, 2U48P wt couplers, Black	AX104228
KeyConnect PP CAT6, 1U48P wt couplers, Black	AX104591

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX104227	1 EA	2.668 LB			CAT6+ KCONN COUPLER PPANEL 24P

Revision Number: 1    Revision Date: 02-12-2010

 © 2012 Belden, Inc  
 All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.