Product: RVAPPF2U48BK-P

FACEPLATES AND PANELS - 10GX REVCONNECT PATCH PANEL, 2U48-PORT PRINTED

Product Description

10GX REVCONNECT PATCH PANEL, 48-PORT, 2U (PRELOADED - PRINTED)

Technical Specifications

Product Overview

Suitable Applications:	10GX Systems, TIA Category 6A, ISO Class EA, 10GBASE-T

Physical Characteristics (Overall)

Height:	3.470 in
Width:	19.000 in
Depth:	2.000 in
Port Count:	48 Port
Front Connection:	Flush
Packaging:	Individually packaged in a cardboard box.
Weight:	3.083 lbs

Connectors

Materials

Description	Material	Color
Panel	Steel	Black
Frame	PC/ABS	Black
Management Bar	Steel	Black
Clear Window	Polycarbonate	Transparent

Construction and Dimensions

Max Capacity:	48 connectors (patch panel is pre-loaded)

Electrical Characteristics

Dielectric Strength:	1,000 V RMS @ 60Hz for 1 minute
Current Rating:	1.300 A
Insulation Resistance:	500 M-Ohm Minimum
Max Contact Resistance:	20 mOhm
Termination Resistance:	2.5 mOhm

Mated Connection

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden** (dB)	Min. NEXT TIA* (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. PSANEXT TIA* (dB)	Min. PSANEXT Belden** (dB)	Min. PSAACRF TIA* (dB)	Min. PSAACRF Belden** (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Belden** (dB)
1	0.1 dB	0.05 dB	75 dB	75 dB	80 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	40 dB	45 dB
4	0.1 dB	0.05 dB	75 dB	71.1 dB	75.1 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	40 dB	45 dB
8	0.1 dB	0.05 dB	75 dB	65 dB	69 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	40 dB	45 dB
10	0.1 dB	0.05 dB	74 dB	63.1 dB	67.1 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	40 dB	45 dB
16	0.1 dB	0.06 dB	69.9 dB	59 dB	63 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	40 dB	45 dB

20	0.1 dB	0.07 dB	68 dB	57.1 dB	61.1 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	40 dB	45 dB
25	0.1 dB	0.08 dB	66 dB	55.1 dB	59.1 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	40 dB	45 dB
31.25	0.11 dB	0.09 dB	64.1 dB	53.2 dB	57.2 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	38.1 dB	45 dB
62.5	0.16 dB	0.14 dB	58.1 dB	47.2 dB	51.2 dB	30 dB	34.1 dB	70.5 dB	72 dB	67 dB	72 dB	32.1 dB	39.1 dB
100	0.2 dB	0.18 dB	54 dB	43.1 dB	47.1 dB	28 dB	30 dB	70.5 dB	72 dB	67 dB	72 dB	28 dB	35 dB
200	0.28 dB	0.26 dB	48 dB	37.1 dB	41.1 dB	22 dB	24 dB	64.5 dB	66 dB	61 dB	66 dB	22 dB	29 dB
250	0.32 dB	0.3 dB	46 dB	35.1 dB	39.1 dB	20 dB	22 dB	62.5 dB	64 dB	59 dB	64 dB	20 dB	27 dB
300	0.35 dB	0.33 dB	42.9 dB	33.6 dB	37.6 dB	18.5 dB	20.5 dB	61 dB	62.5 dB	57.5 dB	62.5 dB	18.5 dB	25.5 dB
400	0.4 dB	0.38 dB	37.9 dB	31.1 dB	35.1 dB	16 dB	18 dB	58.5 dB	60 dB	55 dB	60 dB	16 dB	23 dB
500	0.45 dB	0.43 dB	34 dB	29.1 dB	33.1 dB	14 dB	16 dB	56.5 dB	58 dB	53 dB	58 dB	14 dB	21 dB
625		0.48 dB			31.2 dB		13 dB		56.1 dB		56.1 dB		21 dB

Temperature Range

Installation Temperature Range:	-10°C To +60°C
Storage Temperature Range:	-40°C To +70°C
Operating Temperature Range:	-10°C To +60°C

Mechanical Characteristics

Footprint/Type:	REVConnect
Tool Compatibility:	REVConnect Termination Tool (RVUTT01)
Plug /Jack Compatibility:	RJ45
Termination Front Connection:	Yes
Termination Rear Connection:	Yes
Cable/Connector Retention:	15 lbs
Connector/Hardware Retention:	20 lbs
Plug/Connector Retention:	11.250 lbs

Termination Interface

Connection	Durabilities
Mated Connection	750 cycles
Mated Connection	200 cycles

Standards

UL Rating:	UL94 V-0
Data Category:	Category 6A
TIA/EIA Compliance:	Category 6A - ISO/IEC 11801:2002 Ed.2, TIA 568.2-D
IEEE Compliance:	Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE 802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO UPOE (up to 60W), Power over HDBaseTTM (up to 100W)
Other Standards:	IEC 60603-7, ANSI/TIA 1096-A (formerly FCC Part 68-F)

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2011/65/EU (RoHS 2):	Yes
MII Order #39 (China RoHS):	EUP 50

Flammability, LS0H, Toxicity Testing

Safety Listing:	c(UL)us Listed

Related Part Numbers

Related Parts:	10GX REVConnect Modular Couplers, 10GX RevConnect Cords

Product Notes

Included Parts:	48 10GX REVConnect Couplers, Black, 50 REVConnect Cores, 8 Clear Windows, 2 Rear Cable Management Bar, 4 Screws (10x32), 4 Screws (12x24), 2 Velcro Straps, 4 Frames, 1 Installation Guide
Notes:	For proper installation refer to Installation Guide PX106520 included with the product or visit our website at http://www.belden.com Cable Range Min: 24 AWG, Max: Cable 22 AWG Solid and Stranded Insulation Dia. Min: 0.035 in (0.89 mm), Max: 0.053 in (1.34 mm) Outer Jacket Dia Max: 0.366 in (9.3 mm)

History

Update and Revision:	Revision Number: 0.25 Revision Date: 02-14-2024

© 2025 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.