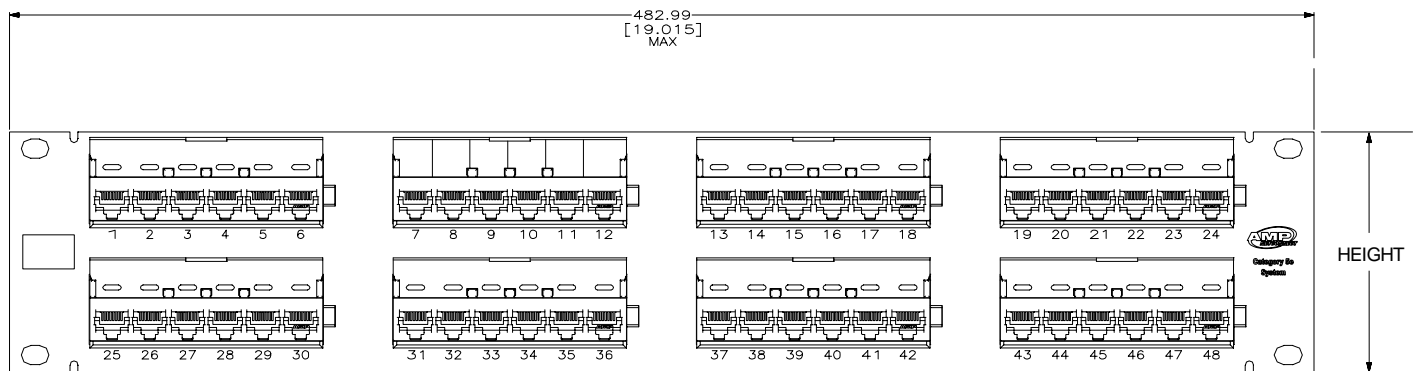


# Category 5e 110Connect Patch Panels

406330-1, 406331-1, 406332-1, 406390-1, 406981-1



## Description

AMP NETCONNECT Category 5e 110Connect Patch Panels exceed TIA and ISO requirements for Enhanced Category 5 performance. The AMP NETCONNECT Category 5e System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet (1000BASE-Tx), 10/100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband [550 MHz] and baseband) and digital video and analog and digital voice (VoIP). AMP NETCONNECT Category 5e 110Connect Patch Panels feature universal wiring labels which permit field installation to either T568A or T568B wiring, simplifying both ordering and inventory. 110Connect Patch Panel punchdown blocks are compatible with standard 110 and Krone single-wire tools as well as standard 110 5-pair tools. AMP NETCONNECT Category 5e 110Connect Patch Panels are designed with "6-pack" modules that accept 9mm and 12mm (included) labels as well as colored icons. These 6-pack modules may also be replaced individually if necessary. AMP NETCONNECT Patch Panels mount to standard 19" racks.

## Specification (text in brackets [ ] requires a choice)

Patch Panels shall be [1U, 2U, 4U or 10in], and provide [12, 24, 48 or 96] RJ-45 (8-position – 4-pair) modular jack ports. Patch panels shall utilize replaceable, 6-port PCB modules. Each module shall be capable of accepting 9 – 12mm labels. Each port on a module shall be capable of accepting an icon to indicate its function. Patch Panels shall terminate building cabling on 110-style insulation displacement connectors and shall be provided with color-coded labeling for both T568A and T568B wiring. Patch Panels shall be wired to [T568A or T568B]. Patch Panels shall meet EIA/TIA-568-B requirements for Category 5e component performance as well as the performance requirements listed in the following table [include Performance Characteristics table from second page]. Patch Panels shall be UL Listed under file number E81956. Patch Panels shall be AMP NETCONNECT part number(s) [406330-1, 406331-1, 406332-1, 406390-1 and/or 406981-1].

## Part Numbers

Description	Number of Ports	Height	Part Numbers
	12	*	406390-1
	12	1.75" (1U)	406981-1
Category 5e, 110Connect Patch Panel	24	1.75" (1U)	406330-1
	48	3.50" (2U)	406331-1
	96	7.00" (4U)	406332-1

\*Mini patch panel dimensions: 10.0" H x 2.3" D. Mounts vertically on 89D bracket (included).

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## Typical Worst-Case Performance Characteristics (exceed TIA/EIA-568-B.2 Category 5e)

Frequency, MHz	Attenuation, dB		NEXT, dB		PS NEXT, dB		FEXT, dB		Return Loss, dB	
	Standard	Max.	Standard	Min.	Standard	Min.	Standard	Min.	Standard	Min.
1	0.1	0.05	65.0	85.9	–	83.9	65.0	83.5	35.0	54.2
4	0.1	0.05	65.0	72.7	–	70.9	63.1	73.1	35.0	47.8
8	0.1	0.05	64.9	66.9	–	65.0	57.0	67.5	35.0	42.8
10	0.1	0.05	63.0	64.9	–	63.0	55.1	65.5	35.0	41.0
16	0.2	0.10	58.9	60.7	–	58.9	51.0	61.5	35.0	37.2
20	0.2	0.10	57.0	58.9	–	57.1	49.1	59.8	34.0	35.5
25	0.2	0.10	55.0	56.9	–	55.1	47.1	57.8	32.0	33.7
31.25	0.2	0.10	53.1	54.9	–	53.0	45.2	55.8	30.1	31.8
62.5	0.3	0.15	47.1	49.0	–	46.7	39.2	50.2	24.1	26.2
100	0.4	0.20	43.0	44.5	–	41.9	35.1	45.9	20.0	22.6
155	–	0.26	–	36.5	–	36.2	–	28.3	–	16.2
200	–	0.29	–	32.0	–	34.0	–	26.1	–	14.0
250	–	0.32	–	27.8	–	32.0	–	24.1	–	12.0
300	–	0.36	–	26.0	–	30.5	–	22.6	–	10.5
350	–	0.38	–	23.5	–	29.1	–	21.2	–	9.1

## Technical Details

### Materials

- Panel (406390 and 406332) – Black anodized aluminum
- Panel (406330, 331, 332) – Black powder-coated steel
- Jack Housing – Polyphenylene oxide, 94V-0 rated
- 110 Blocks – Polycarbonate, 94V-0 rated
- Jack Contacts – Phosphorous bronze, plated with 1.27 $\mu$ m [.000050in] thick gold in localized area and 3.81 $\mu$ m [.000150in] minimum thick tin-lead in solder area over 1.27 $\mu$ m [.000050in] minimum thick nickel underplate.

### Durability

- Modular Jack – 750 mating cycles
- 110 Blocks – 200 termination cycles

### Packaging

- 406330 – 1 per box/ 5 boxes per carton, 9 lbs
- 406331 – 1 per box/ 5 boxes per carton, 13 lbs
- 406332 – 1 per box, 4.26 lbs
- 406390 – 1 per box, 1 lbs
- 406981 – 1 per box/ 5 boxes per carton, 8 lbs

### Approvals –

UL Listed, File Number E81956



Specifications subject to change without notice.

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