NetKey® Category 6 Punchdown Patch Panels

specifications

Category 6/Class E punchdown patch panels shall terminate unshielded twisted 4-pair, 22 – 26 AWG, 100 ohm cable and mount to standard EIA 19" or 23" racks. Punchdown tool shall properly terminate each conductor for optimum performance. Universal T568A and T568B color-coded wiring schemes included.

technical information

Category 6/Class E performance:	Exceeds ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E channel requirements at swept frequencies up to 250 MHz
	Meets ANSI/TIA-568-C.2 and ISO 11801 Category 6 component requirements at swept frequencies up to 250 MHz
FCC compliance:	Complies with ANSI/TIA-1096A (formerly FCC Part 68); contacts plated with 50 microinches of gold
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Supports IEEE 802.3af/802.3at and proposed 802.3bt type 3 and type 4 PoE applications
UL rated:	UL 1863 approved
RoHS compliance:	Compliant
Mounting options:	Mounts to standard EIA 19" or 23" racks (23" requires use of extender brackets); 12-port suitable for wall mount with 89D bracket

key features and benefits

100% performance tested	Confidence that each port delivers specified performance
110 style punchdown termination	Utilizes industry standard termination style and includes wire retention cap
Identification	Write-on areas allow for port and panel identification
Industry standard RJ45 interface	Familiar to end-users; backwards compatible
Angled design (optional)	Facilitates proper bend radius control and minimizes the need for horizontal cable managers

applications

Applications include:
- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16
- Voice over Internet Protocol (VoIP)

NetKey® Network Components

NetKey® Category 6 Angled Punchdown Patch Panels

24-port, 1 RU:	NKA6PPG24Y
48-port, 2 RU:	NKA6PPG48Y

NetKey® Category 6 Flat Punchdown Patch Panels

12-port:	NK6PPG12WY
24-port, 1 RU:	NK6PPG24Y
48-port, 2 RU:	NK6PPG48Y

NetKey® Category 6 Molded Punchdown Patch Panels

24-port, 1 RU:	NK6PP24P
48-port, 2 RU:	NK6PP48P

NetKey® Category 6 Patch Cords

Foot lengths:	NK6PC3**Y
Meter lengths:	NK6PC1M^Y

Termination Tools

Punchdown tool:	PDT110‡
Snipping tool:	CWST
Stripping tool:	CJAST

*To designate a color, add suffix IW (Off White), EI (Electric Ivory), IG (Int'l Gray), WH (White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green) or YL (Yellow).

**For standard lengths other than 3 feet (5, 7, 10, 14 or 20) change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BU (Blue), GR (Green), RD (Red) or YL (Yellow) before the Y at the end of the part number. For example, the part number for a blue 5 foot patch cord is NK6PC5BUY.

^For standard lengths other than 1 meter (2, 3, 4 or 5) change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BU (Blue), GR (Green), RD (Red) or YL (Yellow) before the Y at the end of the part number. For example, the part number for a blue 5 meter patch cord is NK6PC5MBUY.

‡Terminates the NetKey® Keystone Punchdown Jack Module and NetKey® Punchdown Patch Panels.
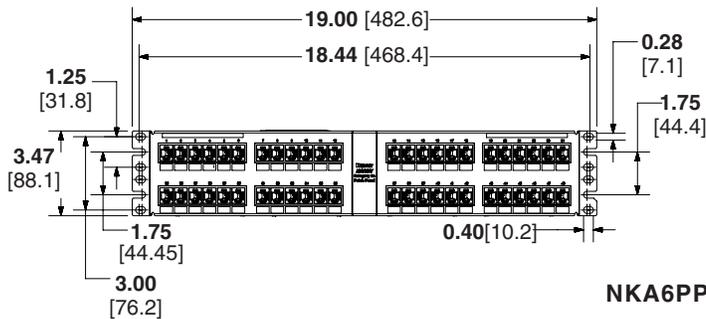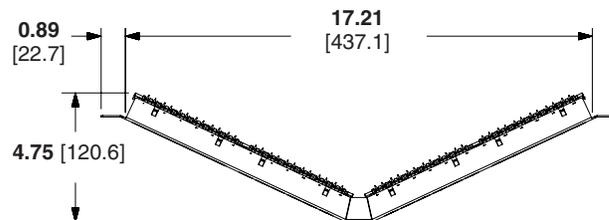
NetKey® Category 6 Electrical Performance

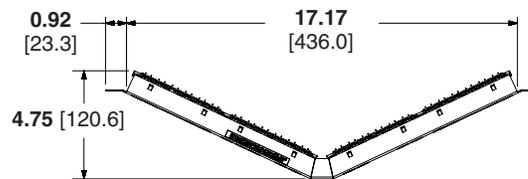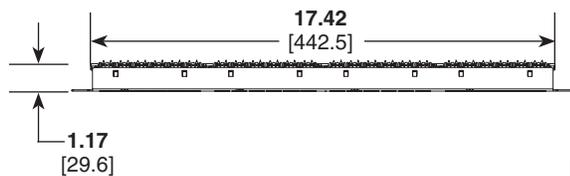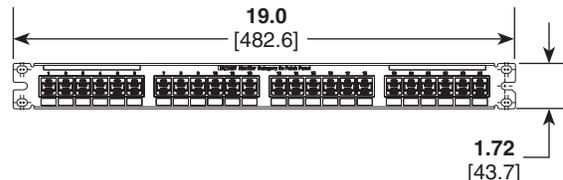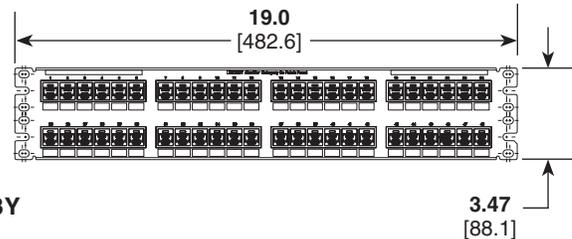| Parameters	dB @ 250 MHz
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FEXT	> 35.1
Attenuation	> 0.32
Return Loss	> 16.0
LCL	> 20.0
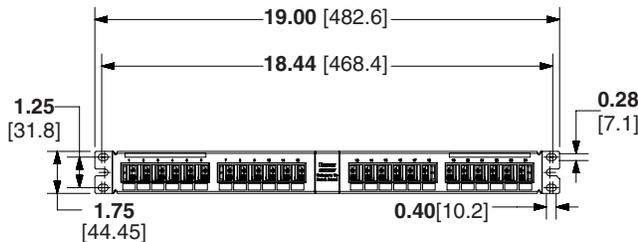
NKA6PPG24Y

NKA6PPG48Y
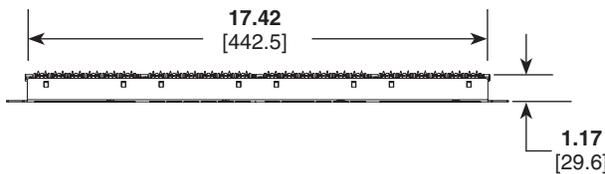
NK6PPG24Y

NK6PPG48Y

Dimensions are in inches [Dimensions in brackets are metric]

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