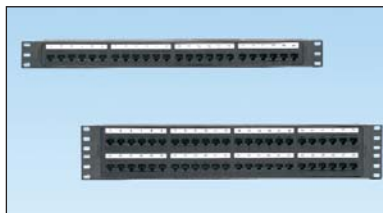# NetKey® Category 6 All Molded Punchdown Patch Panels

PANDUIT®

Punchdown patch panels shall be a molded design made of polymer material and mount to standard racks and cabinets. Punchdown modules shall meet Category 6/Class E performance levels and terminate unshielded twisted 4-pair, 22 – 26 AWG, 100 ohm cable. Punchdown tool properly terminates each conductor for optimum performance. Universal T568A and T568B color-coded wiring schemes included. Patch panels shall be available in standard density 24 and 48-port configurations. Patch panels include pre-numbered labels with writable surface on back. Additional numbering engraved in the front and back of the panel.

technical information

Electrical performance:	Meets all TIA/EIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class E channel requirements at swept frequencies up to 250 MHz
FCC compliance:	Meets ANSI/TIA-968-A; contacts plated with 50 microinches of gold
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
RoHS compliance:	Compliant
Mounting options:	Mounts to standard EIA 19" or 23" racks (23" requires use of extender brackets)
Packaging:	Includes mounting screws (#12-24 and M6) and pre-numbered labels and covers

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 retention cap
Industry standard RJ45 interface	Familiar to end-users; backwards compatible
Identification	Follows TIA/EIA-606-A labeling standards to manage and organize installation

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® Cabling System

NetKey® Category 6 All Molded Punchdown Patch Panels

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

Filler Panels

1 RU, tool-less with square holes:	TLBP1S-V
1 RU, tool-less with round tapped holes:	TLBP1R-V
2 RU, tool-less with square holes:	TLBP2S-V
2 RU, tool-less with round tapped holes:	TLBP2R-V

Strain Relief Bars

Extended:	SRB19BLY
Tak-Ty™ Hook & Loop:	SRBM19BLY
Straight:	SRBS19BL-XY

NetKey® Category 6 Patch Cords

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

Replacement Labels

Numbered 1 – 24:	C6PPLK1-24
Numbered 25 – 48:	C6PPLK25-48

Termination and Cable Prep Tools

Punchdown tool:	PDT110‡
Cable snipping tool:	CWST
Cable stripping tool:	CJAST

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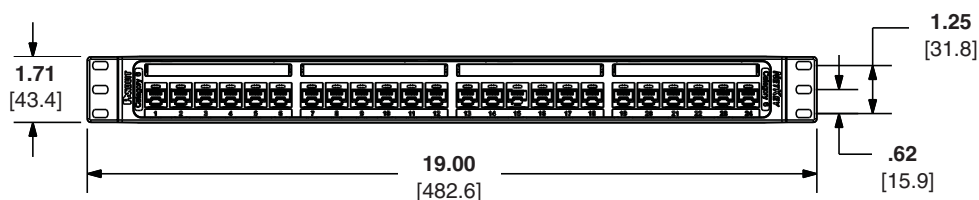
^For standard lengths other than 1 meter (2, 3, 4, or 5) change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BU (Blue), GR (Green), RD (Red), or YL (Yellow) before the Y at the end of the part number. For example, the part number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

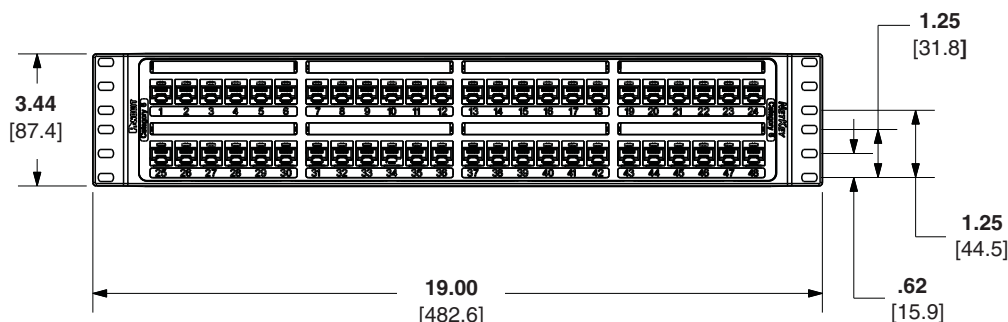‡Terminates NetKey® Punchdown Jack Modules and NetKey® Punchdown Patch Panels.

NetKey® Category 6 Electrical Performance

Parameters	dB @ 100 MHz
NEXT	>46.0
FEXT	>35.1
Attenuation	<0.32
Return Loss	>16.0
LCL	>20.0

NK6PP24P

NK6PP48P

Dimensions are in inches. [Dimensions in brackets are metric].

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

**Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300 and reference NKDS24**

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