

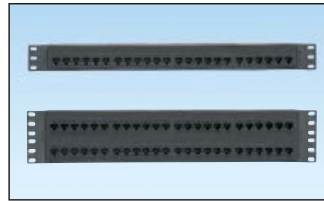
# NetKey® Category 5e All Molded Punchdown Patch Panels

# PANDUIT®

DATA SHEET

## specifications

Punchdown patch panels shall be a molded design made of polymer material and mount to standard racks and cabinets. Punchdown modules shall meet Category 5e/Class D 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 shall include engraved port number identification on the front and back of the patch panel, optional label kits shall be available to meet TIA/EIA-606-B labeling standards.



## technical information

<b>Electrical performance:</b>	Meets all TIA/EIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel requirements at swept frequencies up to 100 MHz
<b>FCC compliance:</b>	Meets ANSI/TIA-968-A; contacts plated with 50 microinches of gold
<b>IEC compliance:</b>	Meets IEC 60603-7
<b>PoE compliance:</b>	Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
<b>RoHS compliance:</b>	Compliant
<b>Mounting options:</b>	Mounts to standard EIA 19" or 23" racks (23" requires use of extender brackets)
<b>Packaging:</b>	Includes mounting screws (#12-24 and M6)

## key features and benefits

<b>100% performance tested</b>	Confidence that each port delivers specified performance
<b>110 style punchdown termination</b>	Utilizes industry standard termination style and includes retention cap
<b>Industry standard RJ45 interface</b>	Familiar to end-users; backwards compatible
<b>Identification</b>	Optional label/label cover kits enable TIA/EIA-606-B label compliance 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 5e All Molded Punchdown Patch Panels

**24-port, 1 RU:** NK5EPPN24P  
**48-port, 2 RU:** NK5EPPN48P

NetKey All Molded Modular Patch Panels also available reference data sheet NKDS41--WW-ENG

#### 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™:** SRBM19BLY  
**Hook & Loop:** SRBS19BL-XY  
**Straight:** SRBS19BL-XY

#### NetKey® Category 5e Patch Cords

**Foot lengths:** NK5EPC3\*Y  
**Meter lengths:** NK5EPC1M^Y

#### Optional Extender Brackets

**1 RU:** PEB1  
**2 RU:** PEB2

#### Optional Label/Label Cover Kits

**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:** CJUST

\*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 NK5EPC5BUY.

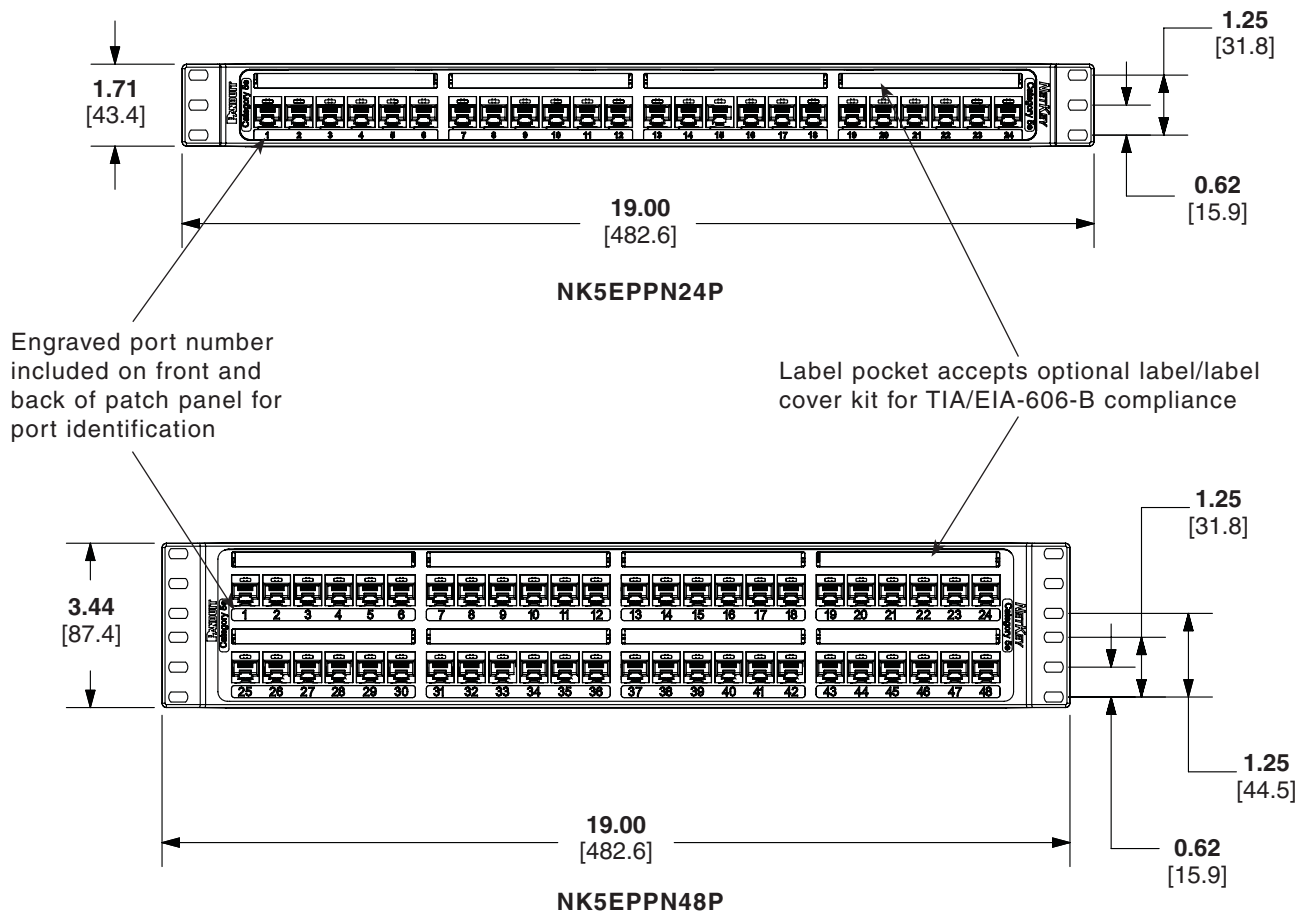
^For standard lengths other than 1 meter (2, 3, 4, or 5) change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BU (Blue), GR (Green), RD (Red), or YL (Yellow) before the Y at the end of the part number. For example, the part number for a blue 5 meter patch cord is NK5EPC5MBUY.

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

# NetKey® Category 5e All Molded Punchdown Patch Panels

## NetKey® Category 5e Electrical Performance

Parameters	dB @ 250 MHz
NEXT	> 43.0
FEXT	> 35.1
Attenuation	> 0.40
Return Loss	> 20.0



Dimensions are in inches [Dimensions in brackets are metric]

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