NetKey® Category 6 Component-Rated Punchdown Jack Modules

Category 6/Class E, 8-position keystone jack module shall terminate unshielded twisted 4-pair, 22 – 26 AWG, 100 ohm cable. Punchdown tool properly terminates each conductor for optimum performance. Universal label is color-coded T568A and T568B wiring schemes.

technical information

Category 6/Class E performance:	Exceeds ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class D 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:	Exceeds 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

key features and benefits

100% performance tested	Confidence that each jack module delivers specified performance
110 style punchdown termination	Utilizes industry standard termination style and includes a wire retention cap
Modularity	Universal keystone jack modules snap in and out of all NetKey® Faceplates, Modular Patch Panels, and Surface Mount Boxes for fast moves, adds, and changes
Individually serialized	Marked with quality control number for future traceability
Convenience packaging (optional)	25 jacks packaged in one easy to open container, eliminating the time to open each individual package and reducing on-site waste; ideal for high volume installations

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 Jack Modules

Module:	NK688M*
Convenience pack of 25 modules:	NK688M*‑Q

NetKey® Category 6 Patch Cords

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

NetKey® Modular Patch Panels

24-port, 1 RU:	NKPP24P
48-port, 2 RU:	NKPP48P

Termination and Cable Prep Tools

Punchdown tool:	PDT110‡
Punchdown base:	NKSPB
JackRapid+ Termination Tool:	JR-PAN-2‡‡
Cable snipping tool:	CWST
Cable 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.

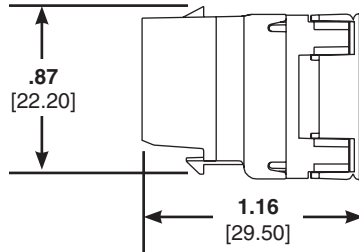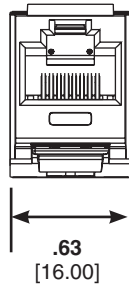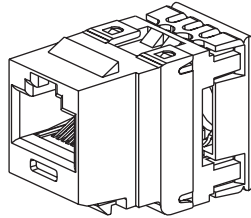‡Terminates the NetKey® Keystone Punchdown Jack Module and NetKey® Patch Panel.

‡‡Terminates the NetKey® Keystone Punchdown Jack Module. Fluke JackRapid Termination Tool available through distribution. To locate the local office, visit www.flukenetworks.com/contact. +JackRapid is a trademark of Fluke Networks.

NetKey® Category 6 Electrical Performance

Parameters	dB @ 250 MHz
NEXT	> 46.0
FEXT	> 35.1
Attenuation	< 0.32
Return Loss	> 16.0
LCL	> 20.0

.87
[22.20]

.63
[16.00]

1.16
[29.50]

Dimensions are in inches [Dimensions in brackets are metric]

For more information

Visit us at www.panduit.com

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

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