PanGen® Category 6 System Solutions
NETKEY® + GenSPEED®

PanGen® — STRUCTURED CABLING SOLUTIONS

Key Features and Benefits of PanGen Category 6 Solutions:

- Designed to meet ANSI/TIA 568.2-D channel requirements
- Installations covered by a comprehensive warranty program that provides performance to the latest industry standards
- A single point of contact for all PanGen inquiries
- All connectivity components are 100% performance-tested
- Quick installation of PanGen systems is provided through an extensive network of specially trained and certified installers
- Optimal performance on all electrical parameters to provide a system that meets all applicable TIA standards. This performance is achieved through the robust cable design of GenSPEED® 6 paired with the NetKey® jack module, patch cord and punchdown or modular patch panels
- TRU-Mark® footage marking system to help eliminate unused lengths of cable and save installation time
- Jack modules are terminated with industry-standard 110 punchdown tool that reduces installation cost
- Modular and punchdown patch panels available in both metal and molded versions
- Patch cords include slender strain relief boots for easy access to high-density environments and patented tangle-free latch which prevents snags and provides easy release for simple moves, adds and changes

Recommended for:

- IEEE 802.3: 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE++
- ANSI/TIA 854: 1000 BASE-TX
- CDDI, Token Ring, ATM
- Digital Video
- Broadband and Baseband Analog Video

Category 6 Standard System Solution

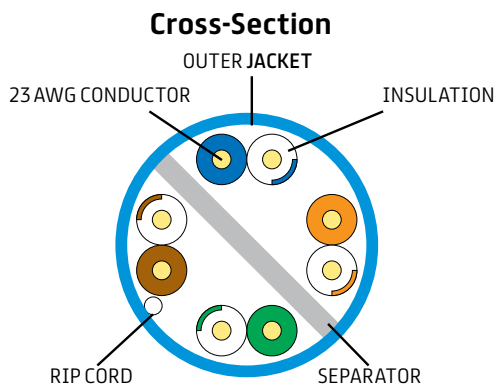| Electrical Value	Insertion Loss	NEXT	PSNEXT	ACR-N	PSACR-N	ACR-F	PSACR-F	Return Loss
Guaranteed Channel Headroom over ANSI/TIA Category 6	3%	3.0 dB	3.0 dB	3.0 dB	4.0 dB	4.0 dB	6.0 dB	2.0 dB

*Electrical values are above specified standards and consist of worst pair margin per ANSI/TIA 568.2-D Category 6 and ISO 11801 Class E standards.

GenSPEED® 6 CATEGORY 6 CABLE (23 AWG)

Features and Benefits

- Unique separator design engineered for consistent electrical performance
- Performance guaranteed to 350 MHz
- Operating temperature, riser and plenum, 75°C
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Third-party verified for guaranteed performance
- Made in U.S.A.

Cross-Section

OUTER **JACKET**
23 AWG CONDUCTOR
INSULATION
RIP CORD
SEPARATOR

Part Numbers

Jacket Color	Pull-Pac® II		Jacket Color	Pull-Pac® II	
	CMP (Plenum)	CMR (Non-Plenum)		CMP (Plenum)	CMR (Non-Plenum)
Blue	7131100	7133800	Orange	7131105	7133805
White	7131101	7133801	Green	7131106	7133806
Yellow	7131102	7133802	Black	7131107	7133807
Gray	7131103	7133803	Pink	7131108	7133808
Red	7131104	7133804	Purple	7131109	7133809

Also available in Spool and Spool Pac®. Bulk reels are available as a special request with a maximum allowable length of 3000 feet per reel. Minimum run and lead time may apply. Non-stock items may be subject to minimum order quantities.
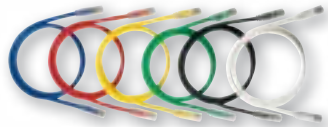
NetKey® Category 6 UTP Jack Modules

- Meet all industry performance standards for Category 6
- Punchdown jack modules are 100% performance-tested and individually serialized for future traceability
- Snap in and out of keystone openings for easy moves, adds and changes
- Universal label includes T568A and T568B wiring schemes

	Part Number*	Description		Part Number*	Description
	NK688MIW	Category 6, 8-position, 8-wire, keystone punchdown jack module		NK688MIW-Q	Convenience pack of 25, Category 6, 8-position, 8-wire, keystone punchdown jack modules

* For standard colors, replace color suffix with IW (Off White), EI (Electric Ivory), IG (International Grey), WH (White), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet). To order convenience package of 25 jack modules, add –Q to end of part number.

NetKey® Category 6 Copper UTP Patch Cords

- Meet all industry performance standards for Category 6
- 100% performance-tested
- Available in a variety of colors and lengths for design flexibility

	Part Number	Description
	NK6PC^*Y	Category 6 UTP patch cord with modular plugs on each end

^ Available in 3, 5, 7, 10, 14, 20 foot lengths.
* For standard colors other than Off White, add suffix BU (Blue), RD (Red), YL (Yellow), or GR (Green). For example, the part number of a blue Category 6, 3-foot patch cord is NK6PC3BUY.

NetKey® Category 6 Punchdown Patch Panels

- Mount to standard EIA 19" racks
- Punchdown patch panels meet all industry performance standards for Category 6
- 110-style punchdown termination
- Write-on areas for port and panel identification

	Part Number	Description
	NK6PPG24Y	Category 6, 24-port punchdown patch panel, 1 RU
	NK6PPG48Y	Category 6, 48-port punchdown patch panel, 2 RU

*Punchdown patch panels are color-coded for T568A and T568B wiring schemes. For modular keystone patch panels, Contact Panduit Customer Service.

For additional Panduit or GenSPEED® components, visit www.pangensolutions.com

GenSPEED®
A Brand of Prysmian Group