

### Key Features and Benefits of PanGen Category 6 Solutions:

- Designed to meet ANSI/TIA 568-C.2 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
- Category 6 channel designed to meet the bandwidth requirements set by ANSI/TIA 568-C.2 Category 6 standards
- 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
- 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
- Modular and punchdown patch panels, available in both metal and molded versions

### 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
<b>Guaranteed Channel Headroom over ANSI/TIA Category 6</b>	3%	3.0 dB	3.0 dB	3.0 dB	4.0 dB	4.0 dB	6.0 dB	2.0 dB

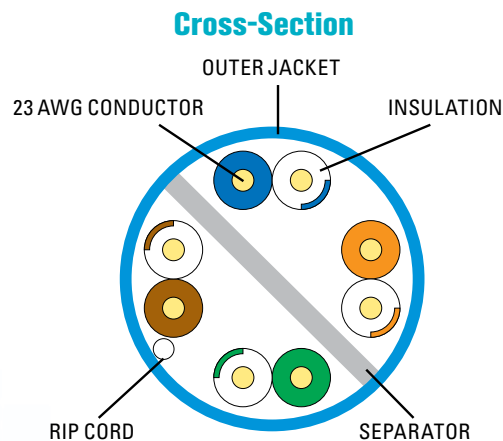
\*Electrical values are above specified standards and consist of worst pair margin per ANSI/TIA 568-C.2 Category 6 and ISO 11801 Class E standards.

## GENERAL CABLE GenSPEED® 6 CATEGORY 6 CABLE (23 AWG)



### Features and Benefits

- Unique separator design engineered for consistent electrical performance
- Performance guaranteed to 350 MHz
- Improved cable temperature rating (90°C plenum, 75°C riser) for greater protection against increased operating temperatures
- UL Certified Environmental Product Declaration (EPD) contributes toward one LEED® credit under Material and Resource credit (MRc)
- Health Product Declaration™ (HPD™) contributes toward one LEED credit under MRc
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Third-party verified for guaranteed performance
- Made in U.S.A.



### Part Numbers Standard packaging: 1000' Pull-Pac® II

Jacket Color	Pull-Pac® II		Spool-Pac®		Spool	
	CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)
Blue	7133800	7131800	7133840	7131840	7133860	7131860
White	7133801	7131801	7133841	7131841	7133861	7131861

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. See all colors and options for this product on page 67 of the PanGen catalog. Non-stock items may be subject to minimum order quantities.

### NetKey® Category 6 UTP Jack Modules

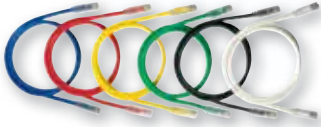
- Meet all industry performance standards for Category 6
- Punchdown jack modules are 100% performance-tested and individually serialized for future traceability
- Snap in and out of keystone openings for easy moves, adds and changes
- Universal label includes T568A and T568B wiring schemes

Part Number*	Description	Part Number*	Description
 <b>NK688MIW</b>	Category 6, 8-position, 8-wire, keystone punchdown jack module	 <b>NK688MIW-Q</b>	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
 <b>NK6PC^*Y</b>	Category 6 UTP patch cord with modular plugs on each end

^ Available in 3, 5, 7, 10, 14, 20, 25, 30, 40, 50 foot lengths

\* For standard colors other than Off White, add suffix BU (Blue), RD (Red), YL (Yellow), GR (Green), BL (Black), or GY (Gray). For example, the part number of a blue Category 6A, 3-foot patch cord is NK6APC3BU.

### NetKey® Category 6 Punchdown Patch Panels

- Mount to standard EIA 19" racks
- Punchdown patch panels meet all industry performance standards for Category 6
- Modular patch panels accept all NetKey® modules
- Molded patch panels made of strong polymer material, with port numbering front and back
- Optional angled versions available for high-density installations
- Strain relief bars assist in cable management and bend radius control
- Filler panels reserve space for future use and direct airflow

Part Number	Description
 <b>NK6PP612WY</b>	Category 6, 12-port punchdown patch panel Mounts to wall with standard 89D bracket (WB89D)
 <b>NK6PP24P</b>	Category 6, 24-port molded punchdown patch panel, 1 RU
 <b>NK6PP48P</b>	Category 6, 48-port molded punchdown patch panel, 2 RU

\*Punchdown patch panels are color-coded for T568A and T568B wiring schemes. For modular keystone patch panels, see page 58 of the PanGen catalog.