

Key Features and Benefits of PanGen Category 6A Solutions:

- Uses GenSPEED® 10,000 Category 6A cable
- Compliant performance on all electrical parameters to provide a system that meets all applicable TIA standards
- Cable contains an aerated jacket that encompasses the inner core to reduce the capacitance effect of the outer sheath and permits consistent electrical performance at a smaller overall size
- Quick installation of PanGen systems is provided through an extensive network of specially trained and certified installers

Recommended for:

- ISO 11801 Class E_A and ANSI/TIA 568-C.2 Category 6A standards
- Ethernet 10G BASE-T
- Virtual business management applications
- Next generation PoE 802.3bt standard for power levels up to 100 watts

Category 6A Standard System

Frequency (MHz)	ANSI/TIA Cat 6A Insertion Loss (dB)	ANSI/TIA Cat 6A PSNEXT (dB)	ANSI/TIA Cat 6A PSACR (dB)	ANSI/TIA Cat 6A PSACRF (dB)	ANSI/TIA Cat 6A Return Loss (dB)	ANSI/TIA Cat 6A PSANEXT (dB)	ANSI/TIA Cat 6A PSAACR-F (dB)
1	2.3	62.0	59.7	60.3	19.0	67.0	67.0
4	4.2	60.5	56.4	48.2	19.0	67.0	65.0
8	5.8	55.6	49.8	42.2	19.0	67.0	58.9
10	6.5	54.0	47.5	40.3	19.0	67.0	57.0
16	8.2	50.6	42.4	36.2	18.0	67.0	52.9
20	9.2	49.0	39.8	34.2	17.5	67.0	51.0
25	10.2	47.3	37.1	32.3	17.0	66.0	49.0
31.25	11.5	45.7	34.2	30.4	16.5	65.1	47.1
62.5	16.4	40.6	24.2	24.3	14.0	62.0	41.1
100	20.9	37.1	16.2	20.3	12.0	60.0	37.0
200	30.1	31.9	1.8	14.2	9.0	55.5	31.0
250	33.9	30.2	-	12.3	8.0	54.0	29.0
300	37.4	28.8	-	10.7	7.2	52.8	27.5
400	43.7	25.8	-	8.2	6.0	51.0	25.0
500	49.3	23.2	-	6.3	6.0	49.5	23.0

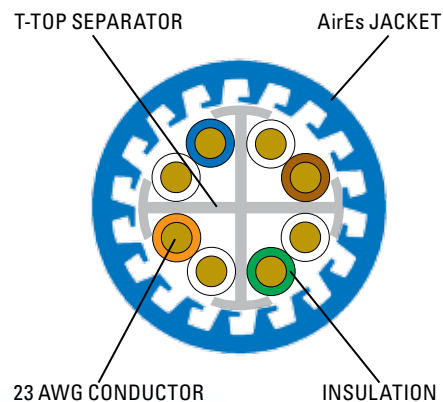
GENERAL CABLE GenSPEED® 10,000 CATEGORY 6A CABLE



Features and Benefits

- Extensive design development conducted to find the perfect blend of product performance and consistent manufacturability
- Innovative T-Top cross-web provides superior internal electrical characteristics by locking the pairs into a systematic orientation within the cable
- Superior flame and smoke characteristics achieved through innovative design and careful selection of materials with certified suppliers
- 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'
- AirEs jacket provides superior flexibility and maximum separation of pairs from cable to cable for consistent PSANEXT and PSAACRF performance
- Made in U.S.A.

Cross-Section



Part Numbers

Jacket Color	Spool (Standard packaging: 1000')	
	CMR (Non-Plenum)	CMP (Plenum)
Blue	7133819	7131819
White	7133820	7131820

See all colors and options for this product on page 66 of the PanGen catalog. Non-stock items may be subject to minimum order quantities.

NetKey® Category 6A UTP Jack Modules

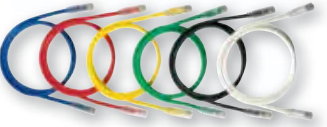
- Meet all industry performance standards for Category 6A
- Punchdown jack modules are 100% performance-tested and individually serialized for future traceability
- Snap in and out of keystone openings for easy moves, adds and changes
- Universal label includes T568A and T568B wiring schemes

Part Number	Description	Part Number	Description
 NK6X88MIW*	Category 6A, 8-position, 8-wire, keystone punchdown jack module	 NK6X88MIW-Q	Convenience pack of 25, Category 6A, 8-position, 8-wire, keystone punchdown jack modules

* For standard colors, replace color suffix IW (Off White) with EI (Electric Ivory), IG (International Grey), WH (White), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet).

NetKey® Category 6A Copper UTP Patch Cords

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


Part Number	Description
 NK6APC^*	Category 6A F/UTP patch cord with UTP 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 6A Punchdown Patch Panels

- Mount to standard EIA 19" racks
- Punchdown patch panels meet all industry performance standards for Category 6A
- 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
 NK6XPPG24Y	Category 6A punchdown patch panel, 24-port, 1 RU
NK6XPPG48Y	Category 6A punchdown patch panel, 48-port, 2 RU
NK6AXPPG24Y	Category 6A angled punchdown patch panel, 24-port, 1 RU
NK6AXPPG48Y	Category 6A angled punchdown patch panel, 48-port, 2 RU
NK6XPP24P	Category 6A molded, flat punchdown patch panel, 24-port, 1 RU
NK6XPP48P	Category 6A molded, flat punchdown patch panel, 48-port, 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.