

Key Features and Benefits of PanGen Category 6A Solutions:

- Designed to exceed ANSI/TIA-568.2-D channel requirements
- Installations covered by a 25-year comprehensive warranty program that provides performance to the latest industry standards
- Professional installation of PanGen systems is provided through an extensive network of specially trained and certified installers
- Smallest Cat 6A Cable in the industry with innovative design providing guaranteed performance
- All connectivity components are 100% performance-tested
- Jack modules feature the patented Enhanced Giga-TX™ technology for terminations, which optimizes performance by maintaining cable pair geometry and eliminating conductor untwist
- Patch cords feature slender strain relief boots for easy access to high-density environments and a patented tangle-free latch which prevents snags and provides easy release for simple moves, adds and changes
- Patch panels are available in punchdown and modular styles and include flat and angled orientations
- With EPDs and HPDs achieved by both cable and connectivity, the solution counts towards two LEED® points and satisfies two out of five suppliers required per point

Recommended for:

- IEEE 802.3: 10G BASE-T, 1000 BASE-T, 100 BASE-T, 10 BASE-T, 2.5G BASE-T, 5G BASE-T
- HDBaseT™
- Best PoE performance in the industry to support PoE, PoE+ and PoE++ (4PPoE)
- LEED projects

Category 6A Standard System

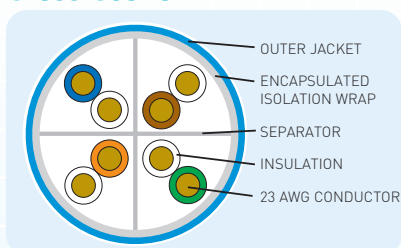
Electrical Value	Insertion Loss	NEXT	PSNEXT	PSACR-F	Return Loss	PSACR-N	PSANEXT	PSAACR-F
Guaranteed Channel Headroom over ANSI/TIA Category 6A	3%	3 dB	5 dB	8 dB	1 dB	6.5 dB	2 dB	8 dB

* Electrical values are above the specified standards and consist of worst pair margin per ANSI/TIA 568.2-D Category 6A.

GENERAL CABLE GenSPEED® 10 UTP CATEGORY 6A CABLE



Cross-Section



Features and Benefits

- Smaller cable diameter allows for greater cable density, reducing cable management costs.
- Simplified design and improved bend radius make it easier to strip, terminate and route, reducing installation time and expense.
- Streamlined design allows for 20 boxes or 36 reels per pallet improving distribution and warehousing efficiency.
- UL Listed CMP-LP 0.6A with certified performance for high power PoE applications up to 120 W.
- UL Listed CMR 0.5A with certified performance for high power PoE applications up to 100 W.
- UL verified with certified performance for 100W power over HDBaseT.
- Innovative design provides guaranteed performance.

PHYSICAL DATA

	CMP	CMR
Nominal Cable Diameter (in)	0.250	0.260
Nominal Cable Weight (lbs/1000 ft)	32	32
Minimum Bend Radius (in)	1	1.06
Maximum Pulling Force (lbs)	40	40
Temperature Rating (°C)		
Installation:	0 to +60	0 to +60
Operation:	-20 to +90	-20 to +75









PART NUMBERS

Jacket Color	Pull-Pac®	
	CMP	CMR
Blue	7141800	7143800
White	7141801	7143801
Yellow	7141802	7143802
Gray	7141803	7143803
Red	7141804	7143804
Orange	7141805	7143805
Green	7141806	7143806
Black	7141807	7143807
Pink	7141808	7143808
Purple	7141809	7143809

*Note: Spool and Spool Pac available upon request. Non-stock items may be subject to minimum order quantities.

Mini-Com® Jack Modules

- Exceed ANSI/TIA-568.2-D Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards
- Meet IEC 60512-99-002 for 2500 cycles of engaging and separating conductors under electrical load
- All jack modules are 100% performance-tested and individually serialized for future traceability
- Operating temperature: -10°C to 65°C (14°F to 149°F)
- Terminates full range of 22-26 AWG conductors allowed per ANSI/TIA-568.2-D
- 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
- UL 2043 (suitable for use in air-handling spaces)
- Support IEEE 802.3af, 802.3at and IEEE 802.3bt Type 3 and Type 4 for all PoE applications up to 100 W



Part Number	Description	Part Number	Description
 CJ6X88TGBU*	Category 6A, RJ45, 8-position, 8-wire universal module	 CJH6X88TGBU*	Category 6A, RJ45, 8-position, 8-wire shuttered universal module with spring-shuttered door
 CJ6X88TGBU*-24	24-pack Category 6A, RJ45, 8-position, 8-wire universal module	 CJ6X88TGBU*-C	100-pack Category 6A, RJ45, 8-position, 8-wire universal module
 CJUDCAPBU-X**	45° angled up/down TG wire cap blue. For use with TX6A™ 10Gig jack	 CJLRCAPBU-X**	45° angled left/right TG wire cap blue. For use with TX6A™ 10Gig jack.
 FP6X88MTG	Category 6A RJ45 UTP Field Term Plug for field termination of 4-pair unshielded twisted pair cable	 FPUD6X88MTG	Category 6A RJ45 Field Term Plug with 45° up/down angled wire cap for field termination of 4-pair unshielded twisted pair cable.

* Product is listed in Blue. To designate a different color, replace BU (Blue) with available colors: 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).

** Product also available in 100 pk. Replace -X with -C.

Copper Patch Cords

- Exceed requirements of ANSI/TIA-568.2-D Category 6A, IEEE 802.3an-2006 and ISO 11801 Class E_A channel standards
- Meet IEC 60512-99-002 for 2500 cycles of engaging and separating conductors under electrical load
- Support IEEE 802.3af, 802.3at and IEEE 802.3bt type 3 and type 4 for all PoE applications up to 100 W
- Available in a variety of colors and lengths for design flexibility
- Category 6A 28 AWG patch cords are less than 50% the size of traditional 24 AWG patch cords, with a diameter of only 0.185"
- UTP28X supports a 96-meter channel with 6 meters of patch

Diameter	Part Number	Description	Diameter	Part Number	Description
 UTP6ASD3* 0.240"		Category 6A (SD), 26 AWG, 10 Gb/s UTP patch cord with TX6A™ 10 Gig modular plugs on each end	 UTP28X3* 0.185"		Category 6A performance, 28 AWG, small diameter, 10 Gb/s UTP patch cord with modular plugs on each end

* Available in lengths 1 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet. Patch cords listed in Off White. To designate other colors, add suffix to end of part number: BL (Black), BU (Blue), GR (Green), OR (Orange), RD (Red), YL (Yellow), or VL (Violet).

Patch Panels

- Mount to standard EIA 19" racks
- DP6A™ 10Gig UTP Patch Panels exceed all industry performance standards for Category 6A
- DP6A™ 10Gig UTP patch panels utilize 110 punchdown termination on back panel and include retention cap for each port
- Optional label kits (DPLK24 and DPLK48) contain adhesive label holder and labels for easy port and panel identification

Part Number	Description	Part Number	Description
 DP246X88TGY	24-port, 1 RU, Category 6A patch panel with 24 RJ45, 8-position, 8-wire ports	 DPA246X88TGY	24-port angled, 1 RU, Category 6A patch panel with 24 RJ45, 8-position, 8-wire ports
 DP486X88TGY	48-port, 2 RU, Category 6A patch panel with 48 RJ45, 8-position, 8-wire ports	 DPA486X88TGY	48-port angled, 2 RU, Category 6A patch panel with 48 RJ45, 8-position, 8-wire ports

Note: For a full range of modular patch panels, contact Panduit customer service.