

Key Features and Benefits of PanGen Category 6A Solutions:

- Designed to exceed ANSI/TIA-568-C.2 channel requirements
- Installations covered by a 25-year comprehensive warranty program that provides performance to the latest industry standards
- All connectivity components are 100% performance-tested
- Quick installation of PanGen systems is provided through an extensive network of specially trained and certified installers
- Jack modules feature the patent-pending 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-TX, 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 Premium System

Electrical Value	Insertion Loss	NEXT	PSNEXT	ACR-F	PSACR-F	Return Loss	ACR-N	PSACR-N	PSANEXT	PSAACR-F
Guaranteed Channel Headroom over ANSI/TIA Category 6A	3%	3.5 dB	5 dB	10 dB	10 dB	3 dB	6 dB	6.5 dB	2 dB	10 dB

* Electrical values are above the specified standards and consist of worst pair margin per ANSI/TIA 568-C.2 Category 6A.

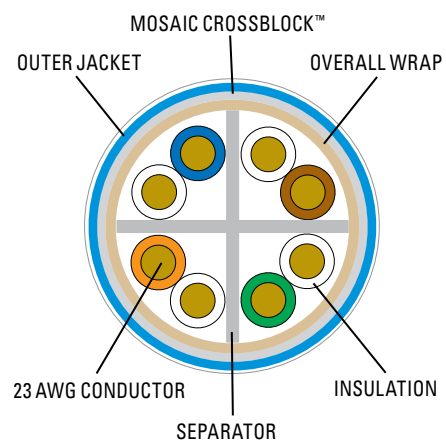
GENERAL CABLE GenSPEED® 10 MTP™ CATEGORY 6A CABLE



Features and Benefits

- 10 MTP™ unshielded-twisted pair (UTP) design provides industry-leading protection from external cable noise sources. Guaranteed +8 dB over TIA 568-C.2 Standard for both PSANEXT & PSAACRF
- Mosaic Crossblock™ is a thin metallic tape of segmented sections separated by an insulating layer. Since there is no metal-to-metal contact, there is no path for current to flow longitudinally, and thus, no need for grounding
- Improved cable temperature rating (90°C plenum, 75°C riser) for greater protection against increased operating temperatures and for high-wattage applications
- UL LP Listed for simplified choice when planning or installing a cabling infrastructure that will utilize high-power PoE. CMP-LP (0.7A) for plenum and CMR-LP (0.5A) for riser
- 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'
- Made in U.S.A.

Cross-Section



Part Numbers

Jacket Color	Spool (Standard packaging: 1000')	
	CMR (Non-Plenum)	CMP (Plenum)
Blue	7133849	7132849
White	7133850	7132850

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.

Mini-Com® Jack Modules

- Exceed ANSI/TIA 568-C.2 Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards
- Meet IEC 60512-99-001 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-C.2
- 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	CJR6X88TGBU*	Category 6A, RJ45, 8-position, 8-wire universal module with right angle wire cap
CJ6X88TGBU-C	100-pack Category 6A, RJ45, 8-position, 8-wire universal module	CJRCAPBU	Right angle wire cap for use with any TX6A™ 10Gig jack, blue

* 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).

Copper Patch Cords

- Exceed requirements of ANSI/TIA-568-C.2 Category 6A, IEEE 802.3an-2006 and ISO 11801 Class E_A channel standards
- Meet IEC 60512-99-001 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
0.240"	UTP6ASD3*	Category 6A (SD), 26 AWG, 10 Gb/s UTP patch cord with TX6A™ 10 Gig modular plugs on each end	0.185"	UTP28X3*	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
- DP6ATM 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.