

PanGen® Category 6 System Solutions

PREMIUM

PanGen®
STRUCTURED CABLING SOLUTIONS

Key Features and Benefits of PanGen Category 6 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
- 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 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

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
- LEED projects

Category 6 Premium System

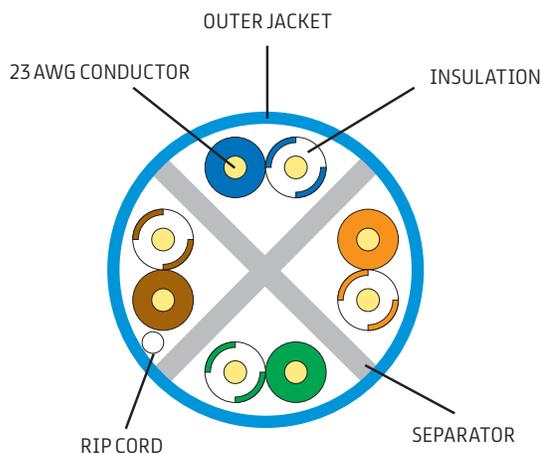
Electrical Value	Insertion Loss	NEXT	PSNEXT	ACR-N	PSACR-N	ACR-F	PSACR-F	Return Loss
Guaranteed Channel Headroom over ANSI/TIA Category 6	9%	6 dB	7.5 dB	7 dB	9 dB	8 dB	10 dB	3 dB

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

GenSPEED® 6500 PREMIUM CATEGORY 6 CABLE



Cross-Section



Features and Benefits

- Designed and engineered with precision balance to offer ultimate headroom
- High-end optimized performance to support the most bandwidth-intense applications
- New and improved separator construction allowing for more pair separation
- Performance guaranteed to 350 MHz
- Improved cable temperature rating (90°C plenum, 75°C riser) for greater protection against increased operating temperatures and for high-wattage applications
- UL Certified Environmental Product Declaration (EPD) contributes toward one LEED® credit under Material and Resource credit (MRc)
- UL Listed CMP-LP 0.6A with certified performance for high power PoE applications up to 120 W
- UL Listed CMR-LP 0.5A with certified performance for high power PoE applications up to 100 W
- 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

Jacket Color	Spool-Pac® <i>(Standard packaging: 1000')</i>		Spool	
	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)
Blue	7131930	7133930	7131970	7133970
White	7131931	7133931	7131971	7133971

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.

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

PANDUIT®

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Form No. PNG-0175-0923

PanGen® Category 6 System Solutions

PANDUIT CONNECTIVITY

PanGen®
STRUCTURED CABLING SOLUTIONS

Mini-Com® TX6™ PLUS UTP Jack Modules

- Exceed ANSI/TIA-568.2-D Category 6, IEEE 802.3an-2006 and ISO 11801 Class E 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 75°C (14°F to 167°F)
- Terminate 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
CJ688TGBU*	Category 6, RJ45, 8-position, 8-wire universal module	CJH688TGBU*	Category 6, RJ45, 8-position, 8-wire shuttered universal module with spring-shuttered door
CJ688TGBU*-24	24-pack Category 6, RJ45, 8-position, 8-wire universal module	CJUDCAPIW-X	45° angled up/down TG wire cap off white. For use with TX6™ jack.
CJ688TGBU*-C	100-pack Category 6, RJ45, 8-position, 8-wire universal module	CJLRCAPIW-X	45° angled left/right TG wire cap off white. For use with TX6™ jack.
FP6X88MTG	Category 6A RJ45 UTP Field Term Plug for field termination of 4-pair unshielded twisted pair cable. Compatible with Category 6 channel.	FPUD6X88MTG	Category 6A RJ45 UTP Field Term Plug with up/down wire cap for field termination of 4-pair unshielded twisted pair cable. Compatible with Category 6 channel.
FC-ICCP0.5MBU	Category 6A UTP Field Cord Connector for field termination of 4-pair unshielded twisted pair cable. Compatible with Category 6 channel.		

* 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).

TX6 PLUS and TX6-28 Copper UTP Patch Cords

- Exceed all industry performance standards for Category 6
- 100% performance-tested
- Available in a variety of colors and lengths for design flexibility
- Category 6 28 AWG cord is less than 50% the size of traditional 24 AWG cord
- UTP28SP cords support up to 96 m of channel length (when used with 6 m of patch)
- Compatible with *RapidID™* Network Mapping System

Diameter	Part Number	Description	Diameter	Part Number	Description
UTPSP3*Y 0.235"		Category 6, UTP patch cord with TX6 PLUS modular plugs on each end	UTP28SP** 0.150"		Category 6, 28 AWG, small diameter UTP patch cord with TX6 PLUS modular plugs on each end

* Available in lengths 1 to 50 feet (increments of one foot) and 55 to 130 feet (increments of five feet). Patch cords listed in Off White. ^ To designate other colors, replace ^ with color designation: BL (Black), B(Blue), GR (Green), OR (Orange), RD (Red), YL (Yellow), or VL (Violet).

DP6™ PLUS UTP Patch Panels

- Mount to standard EIA 19" racks
- DP6 PLUS UTP patch panels exceed all industry performance standards for Category 6
- Angled versions are ideal for higher density applications; facilitate proper bend radius control and minimize the need for horizontal cable managers
- Each port is 100% tested to ensure NEXT and RL performance and is individually serialized to support traceability
- Utilize 110 punchdown termination on back of panel and include retention cap for each port
- Color-coded for T568A and T568B wiring schemes

Part Number	Description	Part Number	Description
DP24688TGY	24-port, 1 RU, Category 6 patch panel with 24 RJ45, 8-position, 8-wire ports	DPA24688TGY	24-port angled, 1 RU, Category 6 patch panel with 24 RJ45, 8-position, 8-wire ports
DP48688TGY	48-port, 2 RU, Category 6 patch panel with 48 RJ45, 8-position, 8-wire ports	DPA48688TGY	48-port angled, 2 RU, Category 6 patch panel with 48 RJ45, 8-position, 8-wire ports

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

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

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