PanGen® Category 6 System Solutions
ENHANCED

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
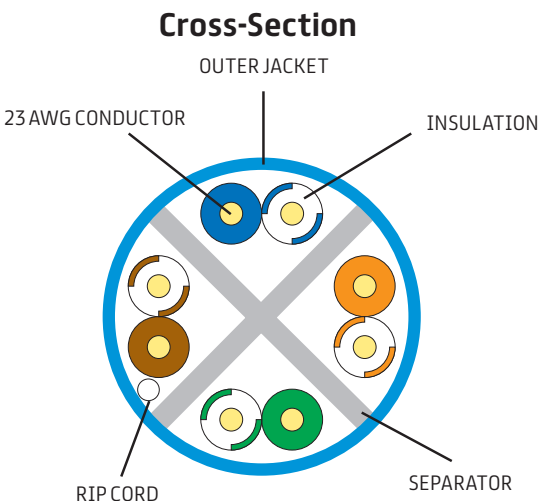
Recommended for:

- 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 Enhanced 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	5%	6 dB	7.5 dB	7 dB	9 dB	7 dB	9 dB	3 dB

* Electrical values are above specified standards and consist of worst pair margin per ANSI/TIA 568.2-D Category 6 and ISO 11801 Class E standards.

GenSPEED® 6000 ENHANCED CATEGORY 6 CABLE

Cross-Section

- OUTER JACKET
- 23 AWG CONDUCTOR
- INSULATION
- RIP CORD
- SEPARATOR

Features and Benefits

- Innovative cross-web design allowing for maximum pair separation, increasing key electrical performance parameters
- Performance guaranteed to 350 MHz
- Improved cable temperature rating (105°C plenum, 75°C riser) for greater protection against increased operating temperatures
- UL listed CMP-LP (0.7A) for plenum
- 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
- Made in the U.S.A.

Part Numbers

Jacket Color	Pull-Pac® II CMP (Plenum)	CMR (Non-Plenum)	Jacket Color	Pull-Pac® II CMP (Plenum)	CMR (Non-Plenum)
Blue	7131900	7133900	Orange	7131905	7133905
White	7131901	7133901	Green	7131906	7133906
Yellow	7131902	7133902	Black	7131907	7133907
Gray	7131903	7133903	Pink	7131908	7133908
Red	71311904	7133904	Purple	7131909	7133909

Also available in Spool and Spool Pac®. 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.

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 FieldCord 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 *Rapid*ID™ Network Mapping System

	Diameter	Part Number	Description		Diameter	Part Number	Description
	0.235"	UTPSP3*Y	Category 6, UTP patch cord with TX6 PLUS modular plugs on each end		0.150"	UTP28SP*^	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), BU (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.