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-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

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-C.2 Category 6 and ISO 11801 Class E standards.

GENERAL CABLE *GenSPEED*® 6000 ENHANCED CATEGORY 6 CABLE

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 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.

Cross-Section

OUTER JACKET
23 AWG CONDUCTOR
INSULATION
RIP CORD
CROSS-WEB
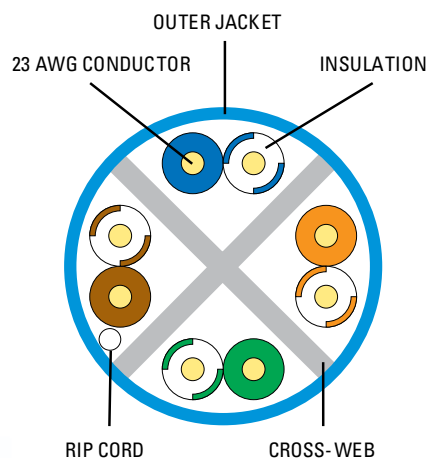
Part Numbers Standard packaging: 1000' Spool-Pac®

Jacket Color		Pull-Pac® II		Spool-Pac®		Spool	
		CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)	CMR (Non-Plenum)	CMP (Plenum)
	Blue	7133900	7131900	7133940	7131940	7133960	7131960
	White	7133901	7131901	7133941	7131941	7133961	7131961

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. See all colors and options for this product on page 67 of the PanGen catalog. Non-stock items may be subject to minimum order quantities.

For additional Panduit or General Cable components, visit **www.pangensolutions.com**

PANDUIT®   **General Cable**

Mini-Com® TX6™ PLUS UTP Jack Modules

- Exceed ANSI/TIA 568-C.2 Category 6, IEEE 802.3an-2006 and ISO 11801 Class E 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)

- Terminate 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
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	CJR688TGBU*	Category 6, RJ45, 8-position, 8-wire universal module with right angle wire cap
CJ688TGBU*-C	100-pack Category 6, RJ45, 8-position, 8-wire universal module	CJRCAPIW	Right angle wire cap for use with any TX6 PLUS jack, white

* 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 cords
- UTP28SP‡ cords support up to 96 meters of channel length (when used with 6 meters of patch)

Diameter	Part Number	Description	Diameter	Part Number	Description
0.230"	UTPSP3Y*	Category 6, UTP patch cord with TX6 PLUS modular plugs on each end	0.150"	UTP28SP3‡	Category 6, 28 AWG, small diameter UTP patch cord with TX6 PLUS 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), GY (Gray), OR (Orange), RD (Red), YL (Yellow), or VL (Violet).
‡ UTP28SP cords support up to 96 meters of channel length (when used with 6 meters of patch).

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
- Optional label kits (DPLK24 and DPLK48) contain adhesive label holder and labels for easy port and panel identification
- 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.