

PanGen® Category 6 System Solutions

MINI-COM® TX6™+ GenSPEED®

PanGen®
STRUCTURED CABLING SOLUTIONS

Key Features and Benefits of PanGen Category 6 Solutions:

- Category 6 channel designed to meet the bandwidth requirements set by ANSI/TIA 568.2-D Category 6 standards
- Installations covered by a comprehensive warranty program that provides performance to the latest industry standards
- A single point of contact for all PanGen inquiries
- All connectivity components are 100% performance-tested
- Quick installation of PanGen systems is provided through an extensive network of specially trained and certified installers
- Optimal performance on all electrical parameters to provide a system that meets all applicable TIA standards. This performance is achieved through the robust cable design of GenSPEED® 6 paired with the Mini-Com® jack module, patch cord and punchdown or modular patch panels
- TRU-Mark® footage marking system to help eliminate unused lengths of cable and save installation time
- 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 include slender strain relief boots for easy access to high-density environments and 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

Category 6 Standard System Solution

| Electrical Value | Insertion Loss | NEXT | PSNEXT | ACR-N | PSACR-N | ACR-F | PSACR-F | Return Loss |
|------------------------------------------------------|----------------|--------|--------|--------|---------|--------|---------|-------------|
| Guaranteed Channel Headroom over ANSI/TIA Category 6 | 3% | 3.0 dB | 3.0 dB | 3.0 dB | 4.0 dB | 4.0 dB | 6.0 dB | 2.0 dB |

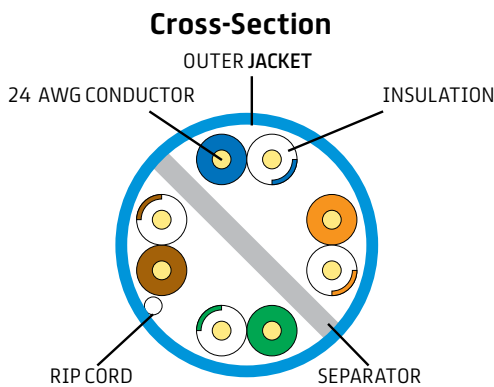
*Electrical values are above specified standards and consist of worst pair margin per ANSI/TIA 568.2-D Category 6 and ISO 11801 Class E standards.

GenSPEED® 6 CATEGORY 6 CABLE (24 AWG)



Features and Benefits

- Unique separator design engineered for consistent electrical performance
- Performance guaranteed to 350 MHz
- Operating temperature, riser and plenum, 75°C
- 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 | Pull-Pac® II | | Jacket Color | Pull-Pac® II | |
|--------------|--------------|------------------|--------------|--------------|------------------|
| | CMP (Plenum) | CMR (Non-Plenum) | | CMP (Plenum) | CMR (Non-Plenum) |
| Blue | 7131100 | 7133800 | Orange | 7131105 | 7133805 |
| White | 7131101 | 7133801 | Green | 7131106 | 7133806 |
| Yellow | 7131102 | 7133802 | Black | 7131107 | 7133807 |
| Gray | 7131103 | 7133803 | Pink | 7131108 | 7133808 |
| Red | 7131104 | 7133804 | Purple | 7131809 | 7133809 |

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.

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

PANDUIT® GenSPEED®

Form No. PNG-0178-0924

PanGen® Category 6 System Solutions

PANDUIT CONNECTIVITY



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 |
|---------------|-----------------|--------------------------------------------------------------------|---------------|------------------|-------------------------------------------------------------------------------------------|
| 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), 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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