



TX6000™ Headroom Performance Platform

The TX6000™ solution is a fully integrated system designed for optimum network performance and reliability. The solution provides end-users with assurance that the TX6000™ system will exceed the ANSI/TIA-568-C.2 Category 6 standard relative to the following key electrical parameters: Insertion Loss, Near-End Crosstalk (NEXT) Power Sum NEXT, ACR, Power Sum ACR, and Return Loss.

To determine the guaranteed headroom performance shown below, over 100 channels were constructed, tested, and analyzed.

- These channels consisted of three and four connector topologies – in both short and long cabling runs – to ensure true worst-case conditions
- Testing was conducted at swept frequencies from 1 MHz to 250 MHz per industry standards
- The testing represents “real world” conditions through the use of an industry recognized hand-held tester, not test analyzers or computer models

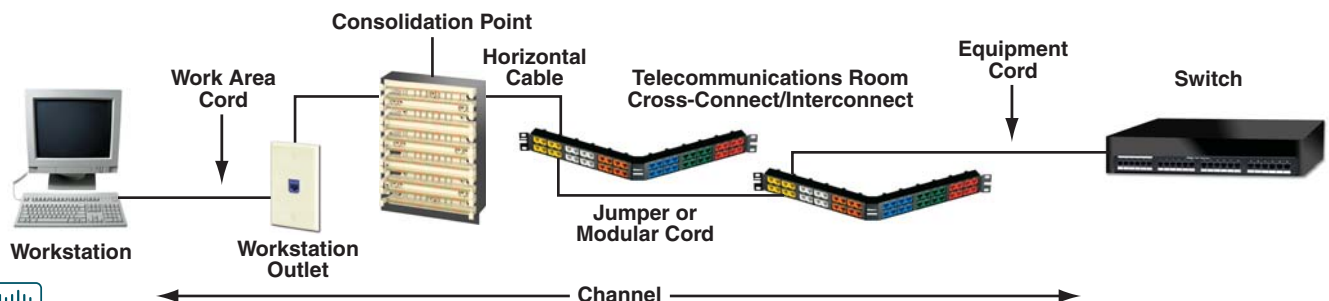
| System Components | |
|-------------------------|--|
| Horizontal Cable | TX6000™ U/UTP Cable |
| Work Area | Mini-Com® TX6™ PLUS Jack Module |
| Telecommunications Room | DP6™ PLUS Patch Panel Mini-Com® TX6™ PLUS Jack Module |
| Consolidation Point | GP6™ PLUS Punchdown System |
| Patch Cords | TX6™ PLUS Patch Cords |

| Guaranteed Channel Headroom | |
|-----------------------------|---------------------|
| Electrical Value | Over Standard (dB*) |
| Insertion Loss | 5.0% |
| NEXT | 6.0dB |
| PSNEXT | 7.5dB |
| ACR-N | 7.0dB |
| PSACR-N | 9.0dB |
| ACR-F | 7.0dB |
| PSACR-F | 9.0dB |
| Return Loss | 2.0dB |

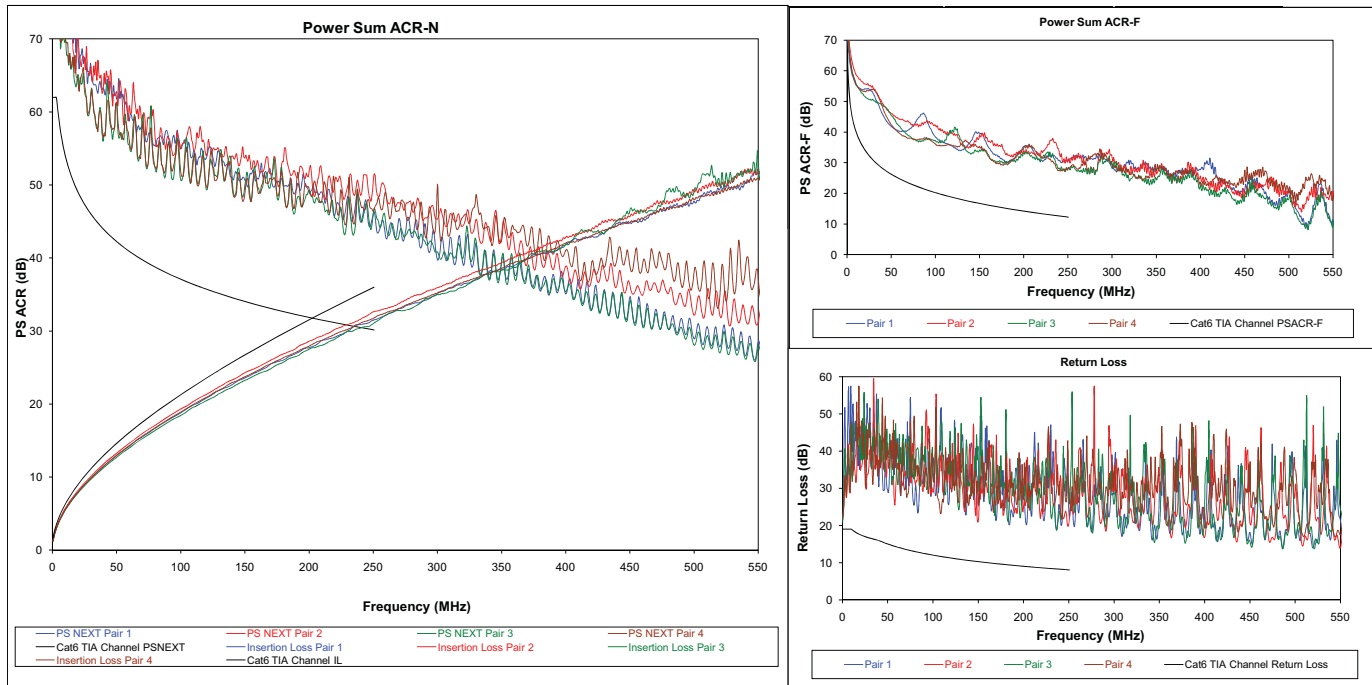
| Applications | |
|--------------|---|
| 1000BASE-T | 1.2 Gb/s ATM, 622 Mb/s ATM, 155 Mb/s ATM |
| 1000BASE-TX | Token Ring 4/16 |
| 100BASE-TX | TP-PMD |
| 10BASE-TX | Future applications intended for Category 6 cabling |

| Standard Compliance |
|---------------------|
| ISO 11801 |
| ANSI/TIA-568-C.2 |
| TIA-569-B |
| ANSI/TIA-606-A |

In order to ensure headroom performance, all systems must be installed per applicable standards by a Panduit Certified Installer.



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TX6000™ Solution Part Numbers

| Cable Type | Part Number | Description |
|-------------------------|-------------|--|
| Category 6 U/UTP Riser | PUR6004*-UY | High-performance Category 6 riser (CMR cable with separator). Conductors are 23 AWG construction. ETL tested and verified for Category 6 performance. |
| Category 6 U/UTP Plenum | PUP6004*-UY | High-performance Category 6 plenum (CMP cable with separator). Conductors are 23 AWG construction. ETL tested and verified for Category 6 performance. |

*Available in Black (BL), Blue (BU), Green (GR), International Gray (IG), Orange (OR), Red (RD), Violet (VL), White (WH) and Yellow (YL).

| Work Area | Part Number | Description |
|---------------------------------|-------------|---|
| Mini-Com® TX6™ PLUS Jack Module | CJ688TGIW** | Category 6, RJ45, 8-position, 8-wire universal module. |
| TX6™ PLUS Patch Cord | UTPSP***Y | Category 6 patch cord with TX6™ PLUS Modular Plug on both ends. |

**See catalog for available colors.

***For lengths 3' to 20' (increments of 1') 25', 30', 35' and 40' change the length in the part number to the desired length.

| Telecommunications Room | Part Number | Description |
|------------------------------|-------------|--|
| DP6™ PLUS Flat Patch Panel | DP24688TGY | Category 6, 24-port, flat punchdown patch panel. |
| DP6™ PLUS Flat Patch Panel | DP48688TGY | Category 6, 48-port, flat punchdown patch panel. |
| DP6™ PLUS Angled Patch Panel | DPA24688TGY | Category 6, 24-port, angled punchdown patch panel. |
| DP6™ PLUS Angled Patch Panel | DPA48688TGY | Category 6, 48-port, angled punchdown patch panel. |

| Consolidation Point | Part Number | Description |
|----------------------------|-------------|--|
| GP6™ PLUS Punchdown System | GPKBW24Y | Category 6, punchdown termination kit. |

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

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