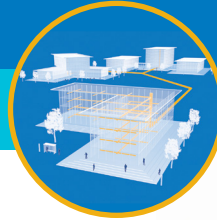


PRODUCT SOLUTIONS BRIEF
PANDUIT

HIGHER EDUCATION NETWORK PERFORMANCE



Through our strong global partnerships and alliances with manufacturers like Panduit, we are able to present you with the following offering to meet your specific campus facility requirements.

TX6A™ 10Gig™ Advanced MaTriX™ Category 6A

Panduit's TX6A 10Gig Advanced MaTriX Category 6A cabling system is the most advanced copper cabling system on the market today. Advanced MaTriX cables feature an innovative tape that further reduces cable diameter to 0.275 inches while providing a full 100-meter solution with best-in-class performance. The smaller cable diameter is more flexible, easier to install and allows more cable runs in the same amount of space as before.



Advanced MaTriX Category 6A provides the noise reduction and heat dissipation benefits of a fully shielded cable without the grounding and bonding concerns that come with a shielded cabling installation.

CHALLENGE SOLVERS

- Advanced connectivity and cable design provide significant headroom margin above Category 6A and Class EA standards, eliminating the time and cost associated with alien crosstalk field testing.
- Cables are compatible with components of the TX6A-SD™ 10 Gig™ UTP Copper Cabling System with MaTriX Technology (70 meter solution) for increased design flexibility.
- Extended temperature range allows operation in 90°C (194°F) ambient environment, which provides error-free performance in high-density cabinets and large cable bundles running PoE+ or PoE++ applications.

THE ANIXTER APPROACH

- **Network Flexibility**
Apply open-architecture designs to accommodate your performance requirements for a highly scalable network.
- **Media Selection**
Choose the appropriate physical media from twisted-pair and optical fiber to support both wireless and wired connectivity.
- **Cabling Topology**
Select an application-independent cabling architecture to support inter- and intra-building network connectivity.
- **Wireless Mobility**
Determine your migration path for wireless connectivity to support a device-dependent and multiscreen environment.
- **Application Support**
Deploy scalable designs that can support multiple and varied applications over wired and wireless connectivity solutions.



WHAT WE HEAR

Challenges from the various higher education stakeholders are:



MANAGING DATA and governance



Meeting **WIRELESS CONNECTIVITY** expectations



Supporting new **LEARNING MODELS**



Leveraging **ANALYTICS** to improve performance



Coping with **INCREASING BANDWIDTH**

THE PANDUIT SOLUTION

DIAMETER AND REACH	FLAME RATING	PATCH PANELS
0.240 inch, 70 meter 0.300 inch, 100 meter	Plenum Riser Low smoke zero halogen	Angled Flat 24- or 48-port

anixter.com/shoppanduit

Infrastructure as a Platform
by Anixter

Infrastructure as a Platform by Anixter offers a standards-based, physical layer approach that provides a foundation to meet the high-performance networking demands of your campus environment.

CONFIGURE

We help you discover and map your specific needs to the best solution.

- AWG size
- Cable type
- Flammability rating
- Connectors

BUNDLE

Your validated, preconfigured solutions are packaged and site ready.

- Jack module
- Patch panels
- Patch cords
- Cable prep tools

DEPLOY

Controlled, repeatable solutions are delivered on time and under budget.

- Custom packaging and labeling
- Time-sensitive delivery options
- Staged project shipping
- Tailored last-mile delivery

PANDUIT TX6A 10GIG ADVANCED MATRIX CATEGORY 6A FEATURES

✓ KEEPS UP WITH EVOLVING TECHNOLOGIES

- Optimized for PoE use to allow for the most efficient power installation
- Available in 23 AWG or 26 AWG designs for greater flexibility
- Round cable design allows for efficient use of pathways and spaces
- Robust headroom offers peace of mind for bandwidth intensive applications

✓ REDUCES NETWORK DOWNTIME

- Cables can be routed in tight bundles through pathways and spaces, which increases installation flexibility
- Features the industry's highest operating temperature of 90°C for optimal PoE performance
- Offers the benefits of a fully shielded system without grounding and bonding concerns
- Patch cords are 100 percent performance-tested and wired T568B



Category 6A cable is recommended for wireless access points and any devices that use Power over Ethernet.

> **FOR MORE DETAILS VISIT [ANIXTER.COM/SHOPPANDUIT](https://www.anixter.com/shoppanduit)**

About Anixter: [anixter.com/aboutus](https://www.anixter.com/aboutus)

Legal Statement: [anixter.com/legalstatement](https://www.anixter.com/legalstatement)

At Anixter, we enable the connected world. By building, connecting, protecting and powering valuable assets and critical infrastructures, we help to sustain and grow businesses and communities worldwide. We accomplish this by offering full-line solutions, technical intelligence, supply chain expertise and an unmatched global distribution network.

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