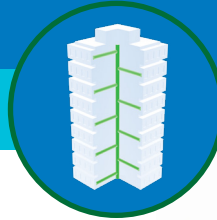


PRODUCT SOLUTIONS BRIEF
PANDUIT

COMMERCIAL BUILDING NETWORK PERFORMANCE



Through our strong global partnerships and alliances with manufacturers such as Panduit, we are able to present you with the following offering to meet your specific commercial building 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
- 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.
- **Wireless mobility**
Determine your migration path for Wi-Fi and in-building cellular connectivity to support a multi-screen environment.
- **Universal cabling topology**
Determine the right choice for an open-architecture environment by adopting commercial building wiring and building automation standards.
- **Application support**
Deploy scalable designs that can support multiple and varied applications over a high-performance, IP-based structured cabling system.
- **Media selection**
Choose the appropriate physical media from twisted pair, optical fiber and direct-attached cables to address high-speed bandwidth requirements.

THE PANDUIT SOLUTION

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

anixter.com/shoppanduit

PANDUIT®

WHAT WE HEAR

Challenges from the various commercial building stakeholders are:



Keeping up with **EVOLVING TECHNOLOGIES**



AMORTIZATION of cabling systems



Supporting multiple **APPLICATIONS**



Reducing network **DOWNTIME**



Coping with **INCREASING BANDWIDTH**

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 demands of your commercial building.

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

- Design is 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)

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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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