



## Panduit<sup>®</sup> TX6A<sup>™</sup> UTP and STP Field Term Plug and Direct Connect Cabling Systems

Today's enterprise cabling networks extend not only to modular jacks in wall or furniture outlets but increasingly to ceiling and wall mounted devices that attaches directly to networks by a plug interface, often terminated to cabling on site.

Designed for quick and easy termination in the field, the simple-to-attach TX6A<sup>™</sup> Field Term Plug is ideal for connecting networked devices such as wireless access points, LED lighting, IP cameras and motion sensors, building access modules and display panels.

The TX6A<sup>™</sup> Field Term Plug is the easiest to terminate in the field today. Its unique design enables quick and easy termination to cabling while at the same time being compact enough to fit in similar spaces as traditional modular plugs.

The TX6A<sup>™</sup> Field Term Plug, available in straight and angled versions, is designed to be connected to common plug attached network devices such as:

### Wireless Access Points

Provides WiFi coverage in buildings and spaces through cabled connection to local area network, and very often powered directly from the local network using Power over Ethernet (PoE). For larger spaces or building floors multiple WAPs are used to ensure adequate coverage.

Used in commercial offices, retail stores, schools, hospitals, sporting venues, hotels, convention centers, airports, and anywhere else wireless internet connectivity is needed.

### Security Cameras

Used to monitor and record activity for safety and security. Newer cameras have higher resolution and enhanced Pan-Tilt-Zoom (PTZ) capabilities, enabling remote manual control over the network. Increasingly are powered over the network by PoE.

Commonly deployed in banks, parking structures, retail stores, schools, warehouses and commercial buildings.

### Sensors

Available to sense a wide range of conditions – motion, occupancy, brightness, or temperature for example – and integrated with other devices through connection to the network to enable enhanced security, lighting, and heating/cooling systems.

Prevalent in commercial office buildings, retail spaces, public venues, government buildings, factories and warehouses.



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## LED Lighting

Highly efficient lighting that can be powered and controlled by the network, and made intelligent by integration with sensors, enabling automated on/off and dimming functions based on occupancy or ambient lighting conditions. May also be controlled remotely over the network.

One of the newest network-powered and controlled devices, being deployed in new commercial offices, factories, warehouses, schools and government buildings.



## Access Controls

Keypads, badge readers, or biometric readers used to control access into and within buildings. Can be powered by PoE and may be integrated with security cameras or sensors also connected to the network.

Used in government facilities, commercial buildings, research facilities, factories and retail back-offices, among others.



## Digital Displays

Promotional or informational signage displaying content delivered over the network in public spaces. Often ceiling or wall mounted.

Found in retail venues, hotels and convention centers, airports, sporting venues, and factories.



## Frequently Asked Questions

### 1. What performance levels does the TX6A™ UTP and STP Field Term Plug support?

The plug supports Category 6A, 6, and 5e performance levels in one product.

### 2. Does the TX6A™ Field Term Plug support unshielded or shielded cable systems?

We now offer the TX6A™ Shielded Field Term Plug to support shielded cabling systems.

### 3. Where are detailed termination instructions for the TX6A™ UTP and STP Field Term Plug?

Installation instructions and video on Panduit.com

### 4. Is the TX6A™ Field Term Plug rated for plenum environments?

Yes, because many of the attached devices are network powered by PoE, the TX6A™ Field Term Plug is designed to operate in the elevated temperatures of plenum and air handling environments.

### 5. What tool is required for terminating the TX6A™ Field Term Plug?

The EGJT-1(green) terminates both the straight TX6A™ Shielded and Non-Shielded Field Term Plug. The new EGPT (purple) terminates both the angled TX6A™ Shielded and Non-Shielded Field Term Plug.

