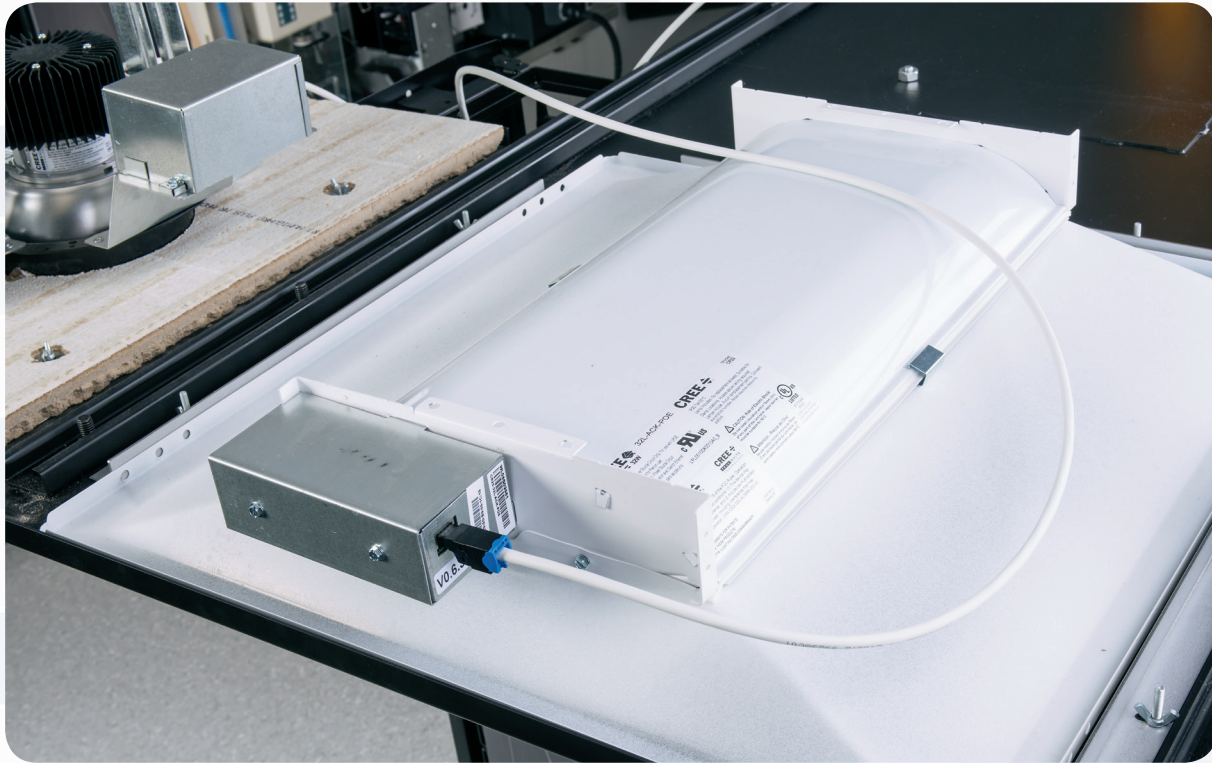


## Network Infrastructure for Power Over Ethernet Lighting Applications



As the Internet of Things (IoT) grows and expands, many devices are being added to enterprise networks. New technology enables smart energy and control features for LED lighting, video surveillance, access control, temperature regulation, and more.

These devices all need a connection to the IP network and electricity. Power over Ethernet (PoE) can deliver power through the IP infrastructure.

When that infrastructure is installed above the ceiling tiles, infrastructure considerations move beyond standard PoE factors of heat rise, arcing in connectors, and amount of power needed at the device. In the air-handling space, infrastructure components are required to be plenum-rated as per the National Electrical Code. This means that they comply with safety requirements that help protect occupants by slowing the spread of smoke and flames.

Panduit's MaTriX™ cabling has the best thermal properties for handling PoE heat rise. In addition, the complete Panduit plenum-rated cabling management solution is ideal for your in-ceiling PoE needs. Zone enclosures, plenum-rated horizontal cabling and patch cords, jacks, J hooks, and more, all deliver the Panduit quality and performance you expect and the UL 2043 classification you need.

Contact your Panduit sales representative to see how Panduit can help answer your PoE questions and cable management needs.



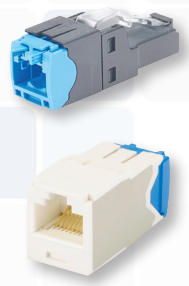
## Horizontal Cable

Part Number	Part Description
<b>PUP6AM04BU-UG</b>	Category 6A U/UTP Copper Cable with Advanced MaTriX™ Technology, plenum, 4-pair, blue.
<b>PUP6004BU-W</b>	Category 6 U/UTP Copper Cable, plenum, 4-pair, blue.



## Jack Modules and Modular Plugs

<b>FP6X88MTG</b>	TX6A™ Category 6A Field Term Plug for field termination of 4-pair UTP cable. Compatible with Category 6A, Category 6, and Category 5e systems.
<b>CJ6X88TGBU</b>	Category 6A, RJ45, 8-position, 8-wire universal jack module with MaTriX™ technology, blue. Supports high-bandwidth applications and is ideal for running next generation Power over Ethernet (PoE++). UL Rated: UL 1863 and UL 2043.
<b>CJ688TGBU</b>	Category 6, RJ45, 8-position, 8-wire universal jack module, blue. UL Rated: UL 1863 and UL 2043.
<b>CJUDCAPBU-C</b>	Category 6A 45° angled up/down TG wire cap provides improved cable routing to jacks in confined spaces; 100 pk.
<b>CJUDCAPIW-C</b>	Category 6 45° angled up/down TG wire cap provides improved cable routing to jacks in confined spaces; 100 pk.



## Plenum Cords

<b>UXPPBU10</b>	Category 6A UTP cable assembly with modular plugs on each end. Blue, solid cable, 10ft.
<b>UPPBU10</b>	Category 6 UTP cable assembly with modular plugs on each end. Blue, solid cable, 10ft.



## Plenum-rated Surface Mount Boxes

<b>CBXQ1IW-A</b>	Mini-Com® 1-port surface mount box with quick release cover, accepts a single Mini-Com module, off white. UL rated: UL 1863 and UL 2043. Accepts cable sizes through category 6A.
<b>CBXQ2IW-A</b>	Mini-Com® 2-port surface mount box with quick release cover, accepts two Mini-Com modules, off white. UL rated: UL 1863 and UL 2043. Accepts cable sizes through category 6A.



## Zone Enclosures

<b>PZICE</b>	Plenum-rated Pan-Zone® Passive In-Ceiling Enclosure with hinged door gas-assist air cylinders. Accepts up to 8 RU of standard 19" patch panels.
<b>PZICEA</b>	Plenum-rated Pan-Zone® Active In-Ceiling Enclosure with hinged door gas-assist air cylinders. Accepts up to 2 RU of active equipment and 6 RU of standard 19" patch panels. AC power provisions, fan assembly, air dam and electrical junction box.



## Wall Mount Cabinet

<b>PZC12W</b>	PanZone® 12RU Hinged Wall Mount Cabinet with Windowed Front Door.
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## J-Pro™ Cable Supports

<b>JP2DW-L20</b>	J-Pro™ Cable Support with clip for use with #12 wire and threaded rod; 2" maximum bundle capacity.
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See [www.panduit.com](http://www.panduit.com) for additional colors, sizes, cable jackets, performance offerings, and configurations.