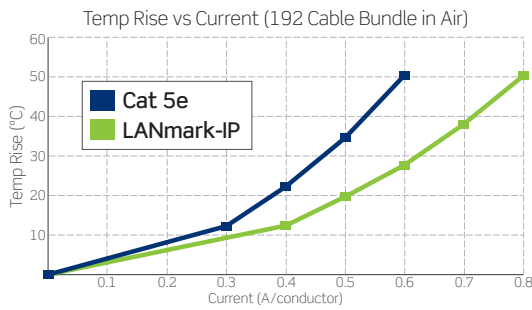SOLUTION BRIEF

HIGH PERFORMANCE FOR HIGH POWER POE

The CP5300 Cat 5e High PoE UTP System is designed to support emerging PoE lighting systems requiring high power and low bandwidth. The industry-leading Cat 5e 100-watt PoE solution features the Leviton Atlas-X1™ connector and Berk-Tek 22-gauge LANmark™-IP cable, and offers superior performance for high-power applications:
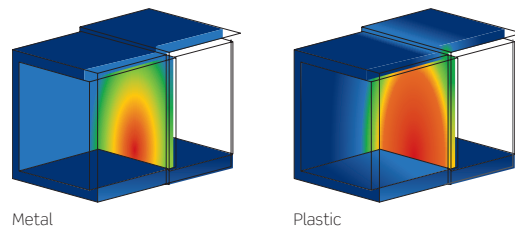
- PoE lighting fixtures
- Control panels
- Central controllers
- Occupancy and light level sensors
- Connected switches
- RF luminaries
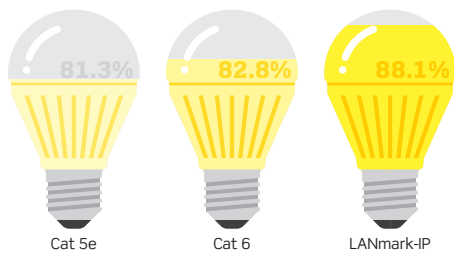
BETTER HEAT DISSIPATION

Temp Rise vs Current (192 Cable Bundle in Air)

- Cat 5e
- LANmark-IP

LANmark-IP stays 44% cooler than traditional Cat 5e cables under the strain of 100-watt PoE.
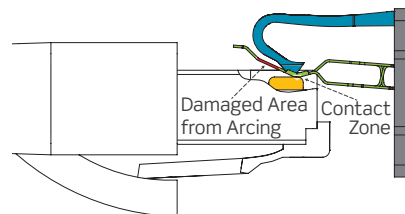

Metal   Plastic

The **Atlas-X1** connector is the industry's only UTP connector to feature a solid metal body, which dissipates heat 53% more efficiently than plastic alternatives for greater system performance and longevity.

HIGHER EFFICIENCY

81.3%   82.8%   88.1%

Cat 5e   Cat 6   LANmark-IP

LANmark-IP is 88.1% efficient, delivering more power to the device than traditional Cat 5e and Cat 6 cable.
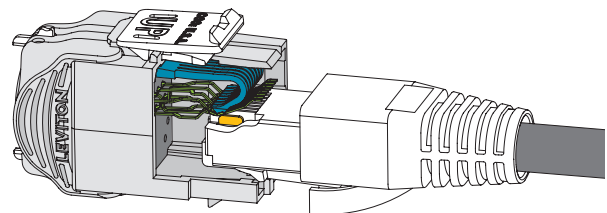
PREVENT ARCING DAMAGE

Damaged Area from Arcing   Contact Zone

Atlas-X1 connectors feature a PoE-optimized tine geometry that prevents arcing damage in the critical contact-mating zone between the plug and connector.

SECURE, RELIABLE CONNECTION

Atlas-X1 connectors feature Patented Retention Force Technology, providing constant contact force at the connector/plug interface, preventing inadvertent intermittent disconnects.

ATLAS-X1™ CAT 5E COMPONENT-RATED QUICKPORT® CONNECTORS

- Tested and approved for use in air-handling spaces (plenum rating) in accordance with UL Standard 2043
- Patented Retention Force Technology (RFT) protects against tine damage and maintains contact force between the plug and connector, preventing intermittent disconnects that cause arcing
- Connectors available with internal shutter to protect against dust and debris
- Unique, tool-free design requires no specialized termination or re-termination tool
- Short connector design supports a wider range of applications (e.g. shallow boxes, enclosures, bend radius, etc.)
- Connector supplied with interchangeable icons (VOICE, DATA, AV, and blank) color coded to match the connector face
- Interchangeable icons (available in 13 colors) make it easy to identify and track data, voice, or other functions
- PoE optimized tine geometry prevents arcing damage in critical contact-mating zone between the plug and connector
- Solid metal body provides 53% improvement in heat dissipation
- Proudly manufactured in the U.S.

PART NUMBERS	
Atlas-X1 Cat 5e Component-Rated QuickPort Connector, standard	5EUJK-R*5
Atlas-X1 Cat 5e Component-Rated QuickPort Connector, shuttered	5EUJK-S*5
Additional Atlas-X1 Icons	ICONS-IC*

* = Color: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (L), Green (V), Grey (G), Black (E), Brown (B)
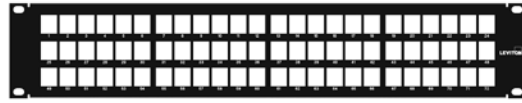

ATLAS-X1 CAT 5E SLIMLINE PATCH CORDS

- ETL Verified for TIA Cat 5e component requirements
- 24-gauge stranded for maximum flexibility and extended flex life
- Nominal outer diameter of .22" reduces cable pathway congestion in racks and cabinets
- SlimLine boot supports high-density patching and easy extraction with extended-reach latch release
- Made-to-order custom lengths are available
- Country of Origin is U.S., manufactured using Berk-Tek cable

PART NUMBER	
Atlas-X1 Cat 5e SlimLine Patch Cord	5D560-xx°

xx = Length: 3, 5, 7, 10, 15, 20 feet
° = Color: White (W), Yellow (Y), Blue (L), Green (G), Grey (S)

CAT 5E 110-STYLE AND QUICKPORT PATCH PANELS

- Exceed requirements for Category 5e described in ANSI/TIA-568-C.2 and Class D requirements described in ISO/IEC 11801
- Available in 110-Style and QuickPort flat, angled, recessed angled, recessed, and Zero-U configurations in 12-96 port counts
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- Include color codes for T568A/B wiring schemes

PART NUMBERS	FLAT	ANGLED
Cat 5e 110-Style Patch Panel, 1RU, 24 port	5G596-U24	5G597-U24
Cat 5e 110-Style Patch Panel, 2RU, 48 port	5G596-U48	5G597-U48
QuickPort Patch Panel, 1RU, 24-Port+	49255-H24	49256-H24
QuickPort Patch Panel, 1RU, 48-Port+	49255-Q48	49256-D48
QuickPort Patch Panel, 2RU, 48-Port+	49255-H48	49256-H48
QuickPort Patch Panel, 2RU, 72-Port+	49255-D72	49256-D72

+ = Sold empty, load with 5EUJK connectors

LANMARK™ - IP CABLE

- ETL verified to ANSI/TIA-568-C.2
- Small, round design for easy installation and reduced maintenance costs
- 22 gauge copper conductors
- All FEP primary insulation
- Small size OD of .24"
- Bandwidth beyond Category 5e requirements
- No center filler design for faster terminations
- 90°C degree jacket listing
- 88% power efficiency
- 100W PoE support
- CMP plenum rated
- Low temperature rise in 192 cable bundles
- Proudly manufactured in the U.S.

PART NUMBERS	
LANmark-IP Cable, plenum, reel in box, blue	11098078
LANmark-IP Cable, plenum, reel in box, white	11098079
LANmark-IP Cable, plenum, reel in box, grey	11098080