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

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

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

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

PREVENT ARCING DAMAGE

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.

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

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, 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

<table>
<thead>
<tr>
<th>CAT 5e 110-Style Patch Panel, 1RU, 24 port</th>
<th>FLAT</th>
<th>ANGLED</th>
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<tbody>
<tr>
<td>Cat 5e 110-Style Patch Panel, 2RU, 48 port</td>
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<td>QuickPort Patch Panel, 1RU, 24-Port+</td>
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<tr>
<td>QuickPort Patch Panel, 2RU, 72-Port+</td>
<td>49255-D72</td>
<td>49256-D72</td>
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</tbody>
</table>

+ = 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

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<tr>
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