SYSTEM DATA SHEET

CX6500 | CAT 6A STANDARD UTP SYSTEM

Our standard Cat 6A system, excellent for high-bandwidth networks

- Exceeds ANSI/TIA-568-C.2 Cat 6A and ISO/IEC 11801 Class E_A requirements for cabling systems performance to support IEEE 10GBASE-T (802.3an) networks
- Limited lifetime warranty available when projects are installed by Leviton or Berk-Tek certified contractors
- Third-party verified by Intertek Testing Services (ETL)
- Error-free performance up to 10 Gigabit Ethernet with full duplex transmission
- Backwards compatible with Gigabit Ethernet to provide seamless migration path to 10GBASE-T and supports all Cat 6 and Cat 5e system requirements

GUARANTEED* SYSTEM PERFORMANCE

<table>
<thead>
<tr>
<th>Insertion Loss</th>
<th>NEXT</th>
<th>PSNEXT</th>
<th>ACR-F (NEXT)</th>
<th>PSACR-F (PSNEXT)</th>
<th>Return Loss</th>
<th>ACR-N</th>
<th>PSACR-N</th>
<th>PSNEXT</th>
<th>PSACR/F</th>
</tr>
</thead>
<tbody>
<tr>
<td>3%</td>
<td>2 dB</td>
<td>3 dB</td>
<td>5 dB</td>
<td>6 dB</td>
<td>1 dB</td>
<td>4 dB</td>
<td>5 dB</td>
<td>0 dB</td>
<td>0 dB</td>
</tr>
</tbody>
</table>

*Values represent guaranteed margins to ANSI/TIA-568-C.2 standard at 20°C ambient temperature. All parameters comply with ANSI/TIA-568-C.2 Cat 6A and ISO/IEC 11801 Class E_A requirements across the entire frequency range. All values represent worst-case margins for 7- to 100-meter channel configurations. System performance margin guarantees are representative of the specific components and topologies as listed on the CX6500 solution data sheet and third-party test report. Contact your Berk-Tek Leviton Technologies technical representative for more information on alternative components and channel configurations. Details at berkteklevitontechnologies.com.

Guaranteed System Performance applies exclusively when the system is installed and tested by Leviton Network Solutions Certified Contractors, or Berk-Tek Certified OASIS Integrators. Guaranteed margin values apply at the time of installation.

SYSTEM TOPOLOGY

RECOMMENDED FOR

10GBASE-T network application
Enterprise applications
Optimized total cost of ownership for financial, health care, government, transportation, and education environments
Supports IEEE 802.3af, 802.3at, Cisco UPoE, and Power over HDBaseT™ (PoH) up to 100 watts
Supports emerging PoE standards such as the draft IEEE 802.3bt, including 100 watts
IP-based security and building automation systems utilizing UTP cabling

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Customer-focused, technology-driven, quality-assured for unparalleled return on infrastructure investment

LEVITON CONNECTORS
EXTREME® CAT 6A CHANNEL-RATED QUICKPORT® CONNECTORS
- ETL verified for TIA Cat 6A channel performance
- Patented dual-layer T568A/B labels simplify punchdown and reduce rework
- Patented Cone of Silence® helps suppress alien crosstalk (AXT)
- Patented Retention Force Technology (RFT) protects against damage from 4- or 6-pin plugs
- Pair Separation Towers ease conductor separation
- Backward compatible with Cat 6 and 5e systems, and 1000BASE-T applications
- Proudly manufactured in the U.S.

LEVITON PATCH PANELS
CAT 6A E2XHD, 110-STYLe, AND QUICKPORT PATCH PANELS
- Available in cassette-style, 110-Style, and QuickPort flat, angled, recessed angled, recessed, and zero-U configurations in 12-, 24-, 48-, and 72-port counts
- Patented triple-stage compensation design with integrated flexible circuit enhances link and channel performance
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- QuickPort patch panels available for high-density applications — 1RU, 48-port

LEVITON PATCH CORDS
ATLAS-X1™ CAT 6A SLIMLINE PATCH CORDS
- ETL verified for TIA Cat 6A component and channel requirements
- Excellent alien crosstalk (AXT) suppression
- 26-gauge stranded for maximum flexibility in any density patching environment
- Nominal outer diameter of .24” to reduce cable pathways in racks and cabinets
- SlimLine-design modular boot supports high-density patching
- Available in lengths of 3’, 5’, 7’, 10’, 15’, 20’ and in 7 colors
- Made-to-order custom lengths are quickly available for top-of-rack, end-of-row, or general network patching
- Country of Origin is U.S., manufactured using Berk-Tek cable

BERK-TEK CABLE
LANmark™ 10G2 CAT 6A UTP CABLE
- Manages the convergence of voice, video, and data at 10 gigabit Ethernet speeds, simplifying networks
- Improved insertion loss for stronger signal-to-noise ratio
- ETL LANmark Verified beyond ANSI/TIA-568-C.2 Category 6A performance
- Fully compliant to Category 6A requirements, including alien crosstalk (AXT)
- Easier installation and cable management with round design and outer diameter of 0.300” (7.6mm), CMP
- Characterized to 750 MHz, 250 Mhz greater than the standard
- UL/ETL Listed
- 23 gauge
- Proudly manufactured in the U.S.

PART NUMBERS - Common part numbers shown. Many additional colors, lengths, and other options available online.

LEVITON CONNECTORS
extreme Cat 6A Channel-Rated QuickPort Connector

LEVITON E2XHD CASSETTES
e2XHD Empty Cassette+ E2XHD-BRK

LEVITON PATCH PANELS
1RU, 24-PORT 1RU, 48-PORT 2RU, 48-PORT 2RU, 72-PORT 4RU, 192-PORT

e2XHD High-Density Flat Patch Panel* E2X1F-48B E2X1F-192

e2XHD High-Density Angled Patch Panel* E2X1A-48B E2X1A-192

Cat 6A Flat 110-Style Patch Panel 6A586-U24 6A586-U48

Cat 6A Angled 110-Style Patch Panel 6A587-U24 6A587-U48

Flat QuickPort Patch Panel+ 49255-H24 49255-Q48 49255-H48 49255-072

Angled QuickPort Patch Panel+ 49256-H24 49256-D48 49256-H48 49256-072

LEVITON PATCH CORDS
Atlas-X1 Cat 6A SlimLine Patch Cord 6AS10-xx*

BERK-TEK CABLE
LANmark-10G2 Cat 6A UTP Cable Blue 10130484 10137700
LANmark-10G2 Cat 6A UTP Cable, White 10137384 10137703
LANmark-10G2 Cat 6A UTP Cable, Grey 10137183 10137701

* = Color: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (L), Green (G), Grey (G), Black (E), Brown (B)
+ = Sold empty, load with 6110G connectors
° = Color: White (W), Yellow (Y), Blue (L), Black (E), Red (R), Green (G), Grey (G)
xx = Length: 3, 5, 7, 10, 15, 20 feet

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