CX6500 | CAT 6A STANDARD UTP SYSTEM

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

- Exceeds ANSI/TIA-568.2-D Cat 6A and ISO/IEC 11801-1 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
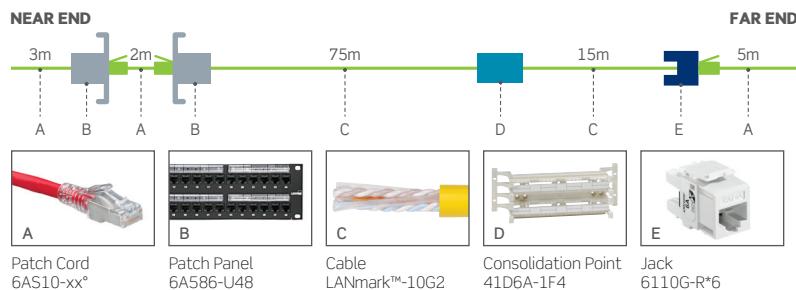
GUARANTEED* SYSTEM PERFORMANCE

CX6500	CAT 6A STANDARD UTP SYSTEM CHANNEL MARGIN GUARANTEES*									
Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSELFEXT)	Return Loss	ACR-N	PSACR-N	PSANEXT	PSAACR-F
3%	2 dB	3 dB	5 dB	6 dB	1 dB	4 dB	5 dB	0 dB	0 dB

*Values represent guaranteed margins to ANSI/TIA-568.2-D standard at 20°C ambient temperature. All parameters comply with ANSI/TIA-568.2-D Cat 6A and ISO/IEC 11801-1 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 Leviton.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

NEAR END   **FAR END**

3m   2m   75m   15m   5m

A   B   A   B   C   D   C   E   A

A — Patch Cord 6AS10-xx°
B — Patch Panel 6A586-U48
C — Cable LANmark™-10G2
D — Consolidation Point 41D6A-1F4
E — Jack 6110G-R*6

RECOMMENDED FOR

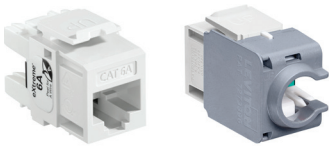10GBASE-T network application

Enterprise applications

Optimized total cost of ownership for financial, health care, government, transportation, and education environments

PoE standards: IEEE 802.3af, 802.3at, 802.3bt, Cisco UPoE, and Power over HDBaseT™ (PoH) up to 100 watts

IP-based security and building automation systems utilizing UTP cabling

ETL VERIFIED
Intertek

CAT 6A

LEVITON JACKS

EXTREME® CAT 6A CHANNEL-RATED QUICKPORT® JACKS

- Exceed requirements for Category 6A channel-level described in ANSI/TIA-568.2-D and Class EA requirements described in ISO/IEC 11801-1
- Patented Retention Force Technology™ protects against tine damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- Patented Cone of Silence® helps suppress alien crosstalk (AXT)
- Circuit board technology for exceptional high-frequency operation
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- Pair Separation Tower design facilitates separation of conductors and minimizes untwisting
- Patented dual-layer wiring label simplifies punchdown and reduces rework
- 90 or 180 degree bi-directional entry eases cable bend radius in back boxes
- Supports Power over Ethernet (PoE) —see individual product specifications sheets for full capabilities
- 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
- 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
- 110-Style patch panels include color codes for T568A/B wiring schemes

LEVITON PATCH CORDS

ATLAS-X1™ CAT 6A SLIMLINE BOOT PATCH CORDS

- Tested and 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-568.2-D 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 JACKS				
eXtreme Cat 6A Channel-Rated QuickPort Jack				6110G-R*6
LEVITON E2XHD CASSETTES				
e2XHD Empty Cassette+				E2XHD-BRK
LEVITON PATCH PANELS	**1RU, 24-PORT**	**1RU, 48-PORT**	**2RU, 48-PORT**	**2RU, 72-PORT**
e2XHD High-Density Flat Patch Panel^		E2X1F-S48		
e2XHD High-Density Angled Patch Panel^		E2X1A-S48		
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-D72
Angled QuickPort Patch Panel+	49256-H24	49256-D48	49256-H48	49256-D72
LEVITON PATCH CORDS				
Atlas-X1 Cat 6A SlimLine Boot Patch Cord				6AS10-xx°
BERK-TEK CABLE			**PLENUM REEL**	**RISER REEL**
LANmark-10G2 Cat 6A UTP Cable, blue			10130484	10137700
LANmark-10G2 Cat 6A UTP Cable, white			10137384	10137703
LANmark-10G2 Cat 6A UTP Cable, gray			10137183	10137701

* = Color: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (L), Green (V), Gray (G), Black (E), Brown (B)
+ = Sold empty, load with 6110G jacks   ^ = Sold empty, load with E2XHD-BRK cassettes   xx = Length: 3, 5, 7, 10, 15, 20 feet
° = Color: White (W), Yellow (Y), Blue (L), Black (E), Red (R), Green (G), Gray (S), Violet (V), Orange (O)