LEVITON®

CX6300 | CAT 6 PREMIUM+ UTP SYSTEM

Our best Cat 6 system features the ATLAS-X1™ jack and offers superior performance for mission-critical applications

- Exceeds ANSI/TIA-568.2-D Cat 6 and ISO/IEC 11801-1 Class E requirements for channel, link, and component performance to support IEEE 1000BASE-T networks

- Ideal for military applications and projects funded by the American Recovery and Reinvestment Act (ARRA)^

- Limited lifetime warranty available when projects are installed by Leviton or Berk-Tek certified contractors

- Error-free performance up to 1 Gigabit Ethernet with full duplex transmission

- Provides additional performance margin to reliably support Gigabit Ethernet in high-noise environments

- Third-party verified by Intertek Testing Services (ETL)

- Provides bandwidth required for multimedia, broadband, and video applications

- Guaranteed cable balance improves overall performance and reduces emissions which results in reduced transmission errors

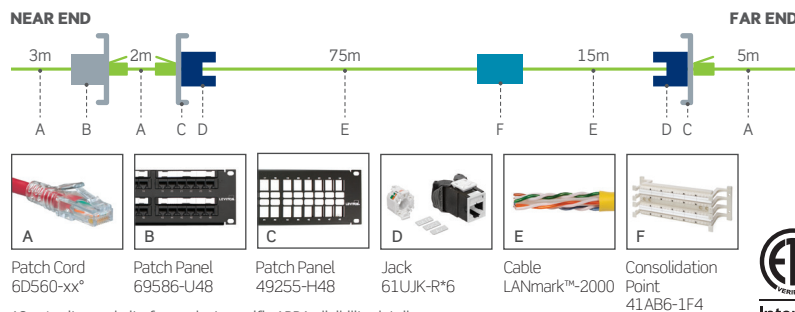- Enables Ethernet channel lengths beyond 100 meters

RECOMMENDED FOR

1000BASE-T network applications and mission-critical systems

Network applications in data center, 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

Networks with high bandwidth utilization requirements

Extending network reach beyond 100 meters

Any IP-based system utilizing UTP cabling

AV systems for high-end conference rooms and classrooms

Federal, state, and municipal projects funded by ARRA^

GUARANTEED* SYSTEM PERFORMANCE

CX6300 | CAT 6 PREMIUM+ UTP SYSTEM CHANNEL MARGIN GUARANTEES*							
Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSELFEXT)	Return Loss	ACR-N	PSACR-N
5%	8 dB	8 dB	9 dB	10 dB	5 dB	9 dB	10 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 6 and ISO/IEC 11801-1 Class E requirements across the entire frequency range. All values represent worst-case margins for 9- to 100-meter channel configurations. System performance margin guarantees are representative of the specific components and topologies as listed on the CX6300 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

Patch Cord 6D560-xx°	Patch Panel 69586-U48	Patch Panel 49255-H48
Jack 61UJK-R*6	Cable LANmark™-2000	Consolidation Point 41AB6-1F4

A Patch Cord 6D560-xx°
B Patch Panel 69586-U48
C Patch Panel 49255-H48
D Jack 61UJK-R*6
E Cable LANmark™-2000
F Consolidation Point 41AB6-1F4

^See Leviton website for product specific ARRA eligibility details

ETL VERIFIED
Intertek

CAT 6 PREMIUM+

LEVITON JACKS

ATLAS-X1™ CAT 6 COMPONENT-RATED QUICKPORT™ JACKS

- Tested and approved for use in air-handling spaces (plenum rating) in accordance with UL Standard 2043
- Independently tested and guaranteed to exceed all component, permanent link, and channel margins
- Patented Retention Force Technology™ protects against tine damage and maintains contact force between plug and Jack, preventing arcing from intermittent disconnects in PoE applications
- PoE optimized tine geometry prevents arcing damage where plug and Jack make contact, extending the life of the Jack and ensuring maximum performance (see specification sheets for full PoE capabilities)
- Solid metal body dissipates 53% more heat than plastic, minimizing damage from excess heat in PoE applications
- Available with internal shutter to protect from dust and debris
- Unique, tool-free design requires no specialized termination or re-termination tool
- Short Jack design supports a wider range of applications (e.g. shallow boxes, enclosures, bend radius, etc.)
- Interchangeable icons in 13 colors (VOICE, DATA, AV, and blank) make it easy to identify and track data, voice, or other functions (select jacks include color matching icons)
- Proudly manufactured in the U.S.

LEVITON PATCH PANELS

CAT 6 110-STYLE AND QUICKPORT PATCH PANELS

- Exceed requirements for Category 6 described in ANSI/TIA-568.2-D and Class E requirements described in ISO/IEC 11801-1
- 110-Style available in flat and angled configurations
- QuickPort available in flat, angled, recessed, recessed angled, and Zero-U configurations
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- 110-Style patch panels include color codes for T568A/B wiring schemes
- Magnifying lens on select models ensures visibility of port labels

LEVITON PATCH CORDS

ATLAS-X1 CAT 6 SLIMLINE BOOT PATCH CORDS

- Tested and verified for TIA Category 6 component requirements
- 24-gauge stranded for maximum flexibility
- Nominal outer diameter of .25" to reduce cable pathways in racks and cabinets
- SlimLine boot supports high-density patching and extraction with extended-reach latch release
- 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™ - 2000 PREMIUM CAT 6 CABLE

- Performance margin allows reliable support for Gigabit Ethernet, even in high-noise environments
- Full duplex operation capable over four cable pairs enables multimedia, broadband video, analog video, and other future applications
- ETL LANmark Verified beyond ANSI/TIA-568.2-D Category 6 performance
- Independently verified headroom of 10dB beyond standard on NEXT, PSNEXT, ACR, and PSACT ensures exceptional performance
- Improved ACR means stronger signal reaches the receiver for cleaner video and data transmission
- Outer diameter 0.220" (5.69mm), CMP
- Characterized to 600 MHz, 350 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		**STANDARD**	**SHUTTERED**	**ADDITIONAL ICONS**
ATLAS-X1 Cat 6 Component-Rated QuickPort Jack		61UJK-R*6	61UJK-S*6	ICONS-IC*
LEVITON PATCH PANELS	**1RU 24-PORT**	**1RU 48-PORT**	**2RU 48-PORT**	**2RU 72-PORT**
Cat 6 Flat 110-Style Patch Panel	69586-U24		69586-U48	
Cat 6 Angled 110-Style Patch Panel	69587-U24		69587-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 110-STYLE WALL-MOUNT WIRING BLOCK KIT				**96-PAIR**
Cat 6 110-Style Wiring Block Kit, includes 96-pair block with legs, labels, and 24 C-4 clips^				41AB6-1F4
LEVITON PATCH CORDS				
ATLAS-X1 Cat 6 SlimLine Boot UTP Patch Cord				6D560-xx°
BERK-TEK CABLE	**PLENUM REEL**	**PLENUM REEL-IN-A-BOX**	**RISER REEL**	**RISER REEL-IN-A-BOX**
LANmark-2000 Premium Cat 6 Cable, blue	10163222	10163780	10167476	10167477
LANmark-2000 Premium Cat 6 Cable, white	10167311	10167312	10167480	10167481
LANmark-2000 Premium Cat 6 Cable, gray	10167464	10167307	10167478	10167479

* = 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 61UJK jacks   ^ = For consolidation point. Legs are non-removable and not sold separately
xx = Length: 3 (03), 5 (05), 7 (07), 10 (10), 15 (15), 20 (20) feet   ° = Color: White (W), Yellow (Y), Blue (L), Black (E), Red (R), Green (G), Gray (S)