LEVITON®

CX6175 | CAT 6 HYBRID UTP SYSTEM

Hybrid Cat 6 UTP system, featuring the Atlas-X1™ jack and LANmark™-1000 cable, offers excellent performance and value

- 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

- 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
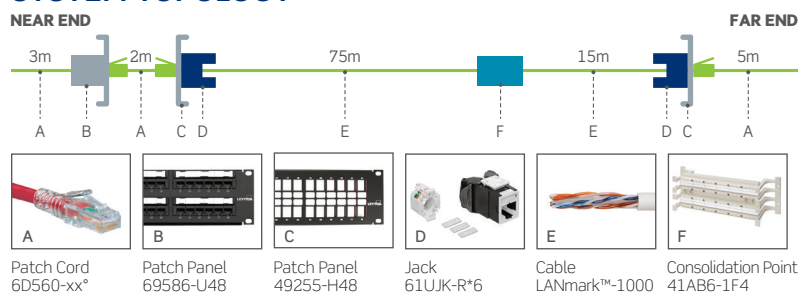
GUARANTEED* SYSTEM PERFORMANCE

CX6175	CAT 6 HYBRID UTP SYSTEM CHANNEL MARGIN GUARANTEES*						
Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSELFEXT)	Return Loss	ACR-N	PSACR-N
3%	6 dB	7 dB	8 dB	9 dB	3 dB	8 dB	9 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 CX6175 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 — B — 2m — A C D — 75m — E — F — 15m — E — D C — 5m — A

A	B	C	D	E	F
Patch Cord 6D560-xx°	Patch Panel 69586-U48	Patch Panel 49255-H48	Jack 61UJK-R*6	Cable LANmark™-1000	Consolidation Point 41AB6-1F4

RECOMMENDED FOR

1000BASE-T network applications and mission-critical systems

Network applications in data center, financial, health care, government, transportation, and education environments

Networks with high bandwidth utilization requirements

Extending network reach beyond 100 meters

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

Any IP-based system utilizing UTP cabling

AV systems for high-end conference rooms and classrooms

CAT 6 HYBRID

ETL VERIFIED
Intertek

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™ - 1000 ENHANCED CAT 6 CABLE

- Optimal support for Gigabit Ethernet with headroom
- Provides additional bandwidth for future applications
- ETL verified to exceed ANSI/TIA-568.2-D Category 6 standard
- Independently verified headroom guarantees ensure consistent performance
- 1,500 ft. *smartPAK* packaging option reduces waste and increases installation efficiency
- Power sum characterization gives highest performance using existing applications
- Characterized to 550 MHz, 300 MHz greater than the standard
- Outer diameter 0.230" (5.8mm), CMP
- 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 1500' SMARTPAK	PLENUM 1000' TEKPAK	RISER 1500' SMARTPAK	RISER 1000' TEKPAK	RISER REEL-IN-A-BOX
LANmark-1000 Enhanced Cat 6 Cable, blue	11074694	10032094	11074701	10032455	10065429
LANmark-1000 Enhanced Cat 6 Cable, white	11074738	10032092	11074740	10032459	10065430
LANmark-1000 Enhanced Cat 6 Cable, gray	11074739	10032026	11074741	10032452	10065431

* = 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 61110 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)