

SYSTEM DATA SHEET

CS6100 | CAT 6 SHIELDED SYSTEM

Shielded Cat 6 performance provides exceptional headroom above standards with a high level of security for sensitive networks

- 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
- Guaranteed cable balance improves overall performance and reduces emissions which results in reduced transmission errors
- Provides additional performance margin to reliably support Gigabit Ethernet in high-noise environments
- Excellent EMI/RFI immunity
- Third-party verified by Intertek Testing Services (ETL)
- Provides bandwidth required for multimedia, broadband video, analog video, and other future applications
- The highest performing Cat 6 shielded system to deliver guaranteed return on investment
- Atlas-X1™ jack is independently tested to exceed performance standards and features an innovative design that allows for tool-free terminations

GUARANTEED* SYSTEM PERFORMANCE

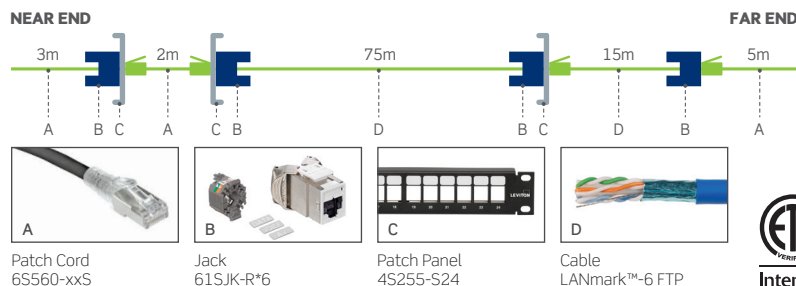
CS6100 | CAT 6 SHIELDED SYSTEM CHANNEL MARGIN GUARANTEES*

Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSELFEXT)	Return Loss	ACR-N	PSACR-N
2%	5 dB	6 dB	5 dB	6 dB	2 dB	6 dB	7 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 CS6100 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 ELEMENTS



RECOMMENDED FOR

1000BASE-T network applications and mission-critical systems

Network applications where EMI/RFI may be present and data security is critical

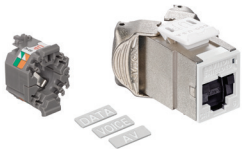
Network applications in data center, financial, health care, government, transportation, and education environments

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

Government encrypted systems

AV systems for high-end conference rooms and classrooms

CAT 6 SHIELDED



LEVITON JACKS

ATLAS-X1™ CAT 6 SHIELDED 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 time damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- PoE optimized time 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

ATLAS-X1 CAT 6 SHIELDED PATCH PANELS

- Available in QuickPort 24-port and 48-port flat or angled configurations
- Stainless-steel surface for improved grounding and oxidation resistance
- Stainless-steel “comb” maintains consistent ground path between jack and panel
- Shielding protects against Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI), and provides excellent alien crosstalk (AXT) suppression
- Accepts all shielded QuickPort jacks



LEVITON PATCH CORDS

ATLAS-X1 CAT 6 SLIMLINE BOOT SHIELDED PATCH CORDS

- Tested and verified for TIA Cat 6 component requirements
- 26-gauge stranded for maximum flexibility in any density patching environment
- Nominal outer diameter of .24" to reduce cable pathways in racks and cabinets
- Aluminum tape foil shield covers all four pairs
- Drain wire is made of 24-gauge (.51 mm) tinned copper
- SlimLine boot supports high-density patching applications
- Country of Origin is U.S., manufactured using Berk-Tek cable



BERK-TEK CABLE

LANMARK™ - 6 FTP CABLE

- The first independently verified Category 6 F/UTP cable
- Increased signal isolation prevents contaminant noise from entering cabling system
- Lower bit errors resulting in increased network performance
- ETL Verified to ANSI/TIA-568.2-D Category 6
- Outer diameter 0.285" (7.24mm), CMP
- Superior balance characteristics protect networks from the damaging effects of outside noise sources
- 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	STANDARD (GREENPACK® 12-PACK)	SHUTTERED	ADDITIONAL ICONS
Atlas-X1 Cat 6 Shielded QuickPort Jack	61SJK-R*6	61SJK-C*6	61SJK-S*6	ICONS-IC*
LEVITON PATCH PANELS	1RU, 24-PORT		1RU, 48-PORT	2RU, 48-PORT
Atlas-X1 Flat Shielded QuickPort Patch Panel+	4S255-S24		4S255-D48	4S255-S48
Atlas-X1 Angled Shielded QuickPort Patch Panel+	4S256-S24		4S256-D48	4S256-S48
LEVITON PATCH CORDS				6S560-xxS
Atlas-X1 Cat 6 SlimLine Boot Shielded Patch Cord, gray				
BERK-TEK CABLE			PLENUM REEL	RISER REEL
LANmark-6 FTP Cable, gray			10057903	10070439
LANmark-6 FTP Cable, red			10063671	10074211
LANmark-6 FTP Cable, black			10063672	10074212

* = Jack 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)
 ^ = Jack Color: White (W), Gray (G), Black (E) + = Sold empty, load with 61SJK jacks xx =Length: 3, 5, 7, 10, 15, 20 feet