LEVITON®

ATLAS-X1™ CAT 6 SHIELDED SYSTEM

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

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

- Third-party tested and verified

- 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

- Excellent EMI/RFI immunity

- Provides bandwidth required for multimedia, broadband video, analog video, and other future applications

- The highest performing Cat 6 shielded system to deliver industry leading return on investment

- Atlas-X1 jack is independently tested to exceed performance standards, features tool-free terminations, and has PoE optimized tine geometry
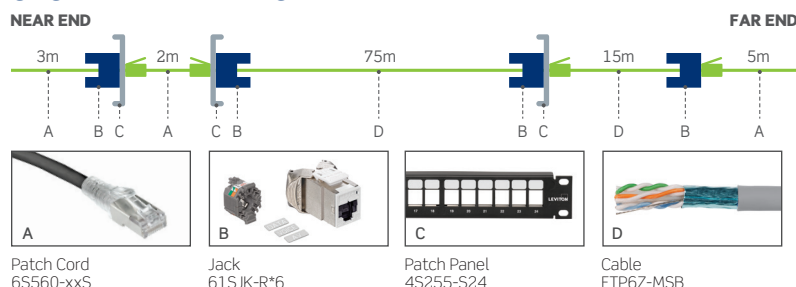
TYPICAL* SYSTEM PERFORMANCE

ATLAS-X1 CAT 6 SHIELDED SYSTEM CHANNEL MARGINS*

Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSELFEXT)	Return Loss	ACR-N	PSACR-N
6.5%	8 dB	9 dB	9.5 dB	9.5 dB	6 dB	9 dB	9 dB

*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 typical margins for 9- to 100-meter channel configurations. System performance is representative of the specific components and topologies as listed on this system data sheet. Typical margin is based on third-party lab verified testing, in-house testing and field test data. Field-installed channel margins may vary based on the accuracy of the handheld tester, system design and installation practices. Only Leviton approved testers may be used. All stated performance specifications are subject to the terms and conditions of the manufacturers warranties. Details at www.leviton.com.

SYSTEM ELEMENTS

NEAR END ... **FAR END**

3m — A — B C — 2m — A — C B — 75m — D — B C — 15m — D — B — 5m — A

A Patch Cord 6S560-xxS	**B** Jack 61SJK-R*6	**C** Patch Panel 4S255-S24	**D** Cable FTP6Z-MSB

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**
Atlas-X1
Shielded

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
- 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.

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 6.1 mm (.24") to reduce cable pathways in racks and cabinets
- Aluminum tape foil shield covers all four pairs
- Drain wire is made of 24-gauge (0.5 mm) tinned copper
- SlimLine boot supports high-density patching applications
- Country of Origin: U.S.

CABLE
CAT 6 SHIELDED CABLE

- Aluminum shield offers increased signal isolation, preventing contaminant noise from entering system
- Optimal support for Gigabit Ethernet
- Reduces signal emissions for secure transmissions
- Independently tested and verified to exceed ANSI/TIA-568.2-D Cat 6, IEEE 802.3an 1000BASE-T, and ISO/IEC 11801-1 Class E standards
- Available in IEC 60332-1 (LSHF/LSZH) flame rating

PATCH PANELS
ATLAS-X1 SHIELDED QUICKPORT PATCH PANELS

- Available in QuickPort 24-port and 48-port flat or angled configurations
- Shielding protects against Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI), and provides excellent alien crosstalk (AXT) suppression
- Accepts all shielded QuickPort jacks

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

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*		
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		
PATCH CORDS						
Atlas-X1 Cat 6 SlimLine Boot Shielded Patch Cord, gray				6S560-xxS		
CABLE	**CANADA**	**LATIN AMERICA**	**AFRICA**	**MIDDLE EAST**	**INDIA**	**KOREA**	**ASIA**
Atlas-X1 Cat 6 F/UTP Cable, LSHF/LSZH, gray~		124-FTP6Z-MSB	124-FTP6Z-MSB	124-FTP6Z-MSB	124-FTP6Z-MSB	124-FTP6Z-MSB	124-FTP6Z-MSB

* = 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 (03), 5 (05), 7 (07), 10 (10), 15 (15), 20 (20) feet
~ = Sold in 305-meter boxes