

SYSTEM DATA SHEET — INTERNATIONAL

ATLAS-X1™ CAT 5E UTP SYSTEM

Our best Cat 5e system features the Atlas-X1 Jack and Leviton premium Cat 5e cable

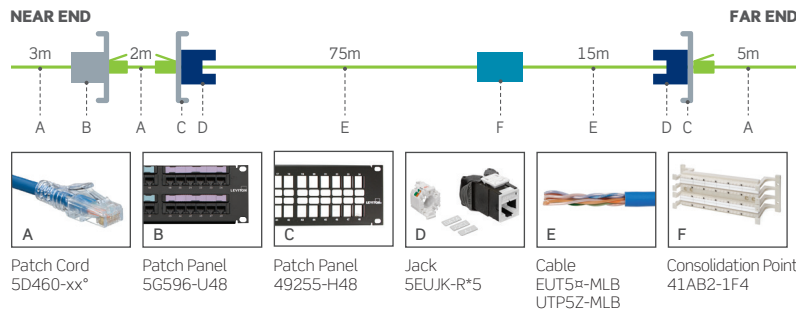
- Exceeds ISO/IEC 11801-1 Class D and ANSI/TIA-568.2-D Cat 5e requirements for channel, link, and component performance to support IEEE 1000BASE-T networks
- Third-party tested and verified
- Increases network efficiency and uptime with lower bit error rates
- Atlas-X1™ Jack is independently tested to exceed performance standards and features tool-free terminations and PoE optimized tine geometry

TYPICAL * SYSTEM PERFORMANCE

ATLAS-X1 CAT 5E UTP SYSTEM CHANNEL MARGINS*							
Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSELFEXT)	Return Loss	ACR-N	PSACR-N
10%	9 dB	11 dB	11 dB	13 dB	6 dB	11 dB	13 dB

*All parameters comply with ANSI/TIA-568.2-D Cat 5e and ISO/IEC 11801-1 Class D 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 TOPOLOGY



RECOMMENDED FOR

1000BASE-T network applications and mission-critical systems

Horizontal data and voice applications

Networks with high bandwidth utilization requirements

Large enterprises

PoE standards: IEEE 802.3af, 802.3at, 802.3bt (Type 3), and Cisco UPoE up to 60 watts

5e Cat
Atlas-X1



JACKS

ATLAS-X1™ CAT 5E 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 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.



PATCH CORDS

CAT 5E SLIMLINE BOOT PATCH CORDS

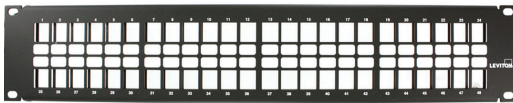
- Tested and verified for TIA Cat 5e component requirements
- 24-gauge stranded for maximum flexibility and extended flex life
- Nominal outer diameter of 5.6 mm (.22") to reduce cable pathway congestion in racks and cabinets
- SlimLine boot supports high-density patching and easy extraction with extended-reach latch release
- Make-to-order custom lengths are available



CABLE

CAT 5E UTP CABLE

- Supports 10BASE-T, 100BASE-T, and 1000BASE-T Ethernet
- Independently tested and verified to exceed ANSI/TIA-568.2-D Cat 5e, IEEE 802.3 1000 BASE-T, and ISO/IEC 11801-1 Class D standards
- Supports Power over Ethernet (PoE) — see individual product specifications sheets for full capabilities
- Available in IEC 60332-1 (LSHF/LSZH) cable jackets



PATCH PANELS

CAT 5E 110-STYLE AND QUICKPORT PATCH PANELS

- 110-style panels exceed requirements for Category 5e described in ANSI/TIA-568.2-D and Class D requirements described in ISO/IEC 11801-1
- 110-Style available in flat and angled
- QuickPort available in flat, angled, recessed, and Zero-U configurations
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- Include color codes for T568A/B wiring schemes

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

JACKS	STANDARD	SHUTTERED	ADDITIONAL ICONS				
Atlas-X1 Cat 5e Component-Rated QuickPort Jack	5EUJK-R*5	5EUJK-S*5	ICONS-IC*				
PATCH PANELS	1RU 24-PORT	1RU 48-PORT	2RU 48-PORT				
Cat 5e Flat 110-Style Patch Panel	5G596-U24		5G596-U48				
Cat 5e Angled 110-Style Patch Panel	5G597-U24		5G597-U48				
Flat QuickPort Patch Panel+	49255-H24	49255-Q48	49255-H48				
Angled QuickPort Patch Panel+	49256-H24	49256-D48	49256-H48				
110-STYLE WALL-MOUNT WIRING BLOCK KIT			100-PAIR				
Cat 5e 110-Style Wall-Mount Wiring Block Kit, includes 100-pair block with legs, labels, and 24 C-4 clips*			41AB2-1F4				
PATCH CORDS							
Cat 5e SlimLine Boot Patch Cord			5D460-xx*				
CABLE	CANADA	LATIN AMERICA	AFRICA	MIDDLE EAST	INDIA	KOREA	ASIA
Cat 5e UTP Cable, LSHF/LSZH, blue~		100-UTP5Z-MLB		100-UTP5Z-MLB		100-UTP5Z-MLB	100-UTP5Z-MLB

* = 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 5EUJK Jacks ^ = For consolidation point, legs are non-removable and not sold separately xx = Length: 3 (03), 5 (05), 7 (07), 10 (10) feet
 ° = Color: White (W), Yellow (Y), Blue (L), Green (G), Gray (S) ~ = Sold in 305-meter box, additional colors available, please visit Leviton.com/cable for details
 ≡ = Cable Type: Riser (R), Plenum (P), LSHF/LSZH (Z)