

SYSTEM DATA SHEET — EUROPE

ATLAS-X1™ CAT 6 SHIELDED SYSTEM

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

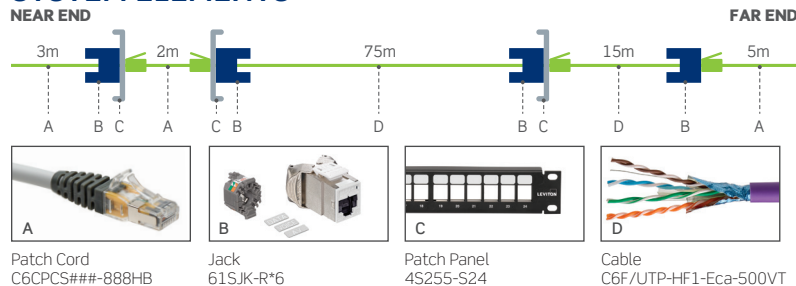
- Exceeds ISO/IEC 11801-1 Class E and ANSI/TIA-568.2-D Cat 6 requirements for channel, link, and component performance to support IEEE 1000BASE-T networks
- Third-party tested and verified
- Error-free performance up to 1 Gigabit Ethernet with full duplex transmission
- Provides additional performance 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 PARAMETERS

ATLAS-X1 CAT 6 SHIELDED SYSTEM CHANNEL TYPICAL MARGINS*								
	Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSSELFEXT)	Return Loss	ACR-N	PSACR-N
Standard (250MHz)	36.0 dB	33.1 dB	30.2 dB	15.3 dB	12.3 dB	8.0 dB	2.9 dB	5.8 dB
Typical Performance Margin	6.5%	8.0 dB	9.0 dB	9.5 dB	9.5 dB	6.0 dB	9.0 dB	9.0 dB

*All parameters comply with ISO/IEC 11801-1 Class E requirements across the entire frequency range. System performance is representative of the specific components and topologies as listed on this system data sheet. Typical performance values are based on third-party lab verified testing, in-house testing and field test data. Field installed channel performance may vary based on the channel topology, installation practices, installation environment and accuracy of the handheld tester. 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



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

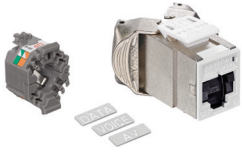
PoE standards: IEEE 802.3af, 802.3at, 802.3bt, Cisco UPoE, and Power over HDBaseT™ (PoH) up to 100 watts

Government encrypted systems

AV systems for high-end conference rooms and classrooms

Cat 6

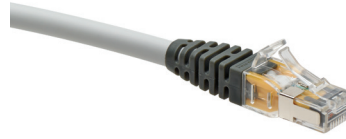
Atlas-X1 Shielded



JACKS

ATLAS-X1™ CAT 6 SHIELDED QUICKPORT® JACKS

- 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 6 SHIELDED PATCH CORDS

- 26-gauge stranded for maximum flexibility in any density patching environment
- Nominal outer diameter of 5.8 mm to reduce cable pathways in racks and cabinets
- Designed to have a repeatable, controlled, and consistent assembly ensuring optimum performance
- Snagless boot design prevents tab breakage during moves, adds and changes
- Make-to-order custom lengths are available



CABLE

CAT 6 SHIELDED CABLE

- 23-gauge solid annealed copper wire
- 4 twisted pairs cabled together, available in multiple screened constructions, providing EMI shielding
- Available in a range of sheath materials to suit a variety of installation environments, including CPR fire performance ratings Eca, Dca, Cca and B2ca, and color coded for identification
- Designed and constructed to give optimal electrical performance to the following standards:
 - ISO/IEC 11801-1 Class E, IEC 61156-5
 - EN 50173-1 and EN 50288-5-1
 - ANSI/TIA-568.2-D Cat 6
- Supports Gigabit Ethernet
- Designed and manufactured in a carbon neutral facility in the UK
- Delivered in 100% recyclable packaging



PATCH PANELS

ATLAS-X1 SHIELDED QUICKPORT PATCH PANELS

- Available in QuickPort 24-port and 48-port flat or angled configurations
- Stainless-steel surface for improved grounding and oxidation resistance
- Accepts all shielded QuickPort jacks

PART NUMBERS - Common part numbers shown. Many additional colors, lengths, CPR EuroClass ratings, 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	RED	BLUE	GREEN	YELLOW	GRAY
Cat 6 Shielded Patch Cord, LSHF/LSZH	C6CPCS###-188HB	C6CPCS###-488HB	C6CPCS###-588HB	C6CPCS###-688HB	C6CPCS###-888HB
CABLE	S/FTP	F/FTP	U/FTP	F/UTP	
Cat 6 Shielded Cable, LSHF/LSZH, violet (Additional higher EuroClass cables are available. Please contact your local Leviton representative for further information.)	C6S/FTP-HF1-Eca-Rlx-500VT	C6F/FTP-HF1-Eca-Rlx-500VT	C6U/FTP-HF1-Eca-Rlx-500VT	C6F/UTP-HF1-Eca-Rlx-305VT	

* = 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)
 + = Sold empty, load with 61SJK jacks ### = Length: 1 (010), 2 (020), 3 (030), 5 (050) meters