

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 Class E and ANSI/TIA-568-C.2 Cat 6 requirements for channel, link, and component performance to support IEEE 1000BASE-T networks
- Third-party verified by Intertek Testing Services (ETL) or GHMT
- 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, analogue 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 optimised tine geometry

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 centre, financial, health care, government, transportation, and education environments

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

Emerging 4 pair PoE standards such as the IEEE 802.3bt, including 90 watts at the powered device (PD)

Government encrypted systems

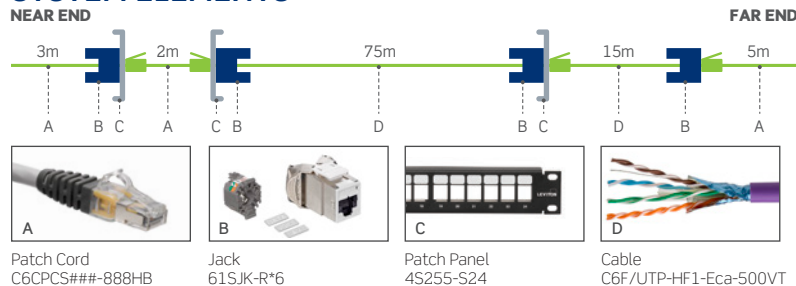
AV systems for high-end conference rooms and classrooms

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 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



6

Cat
Atlas-X1
Shielded



JACKS

ATLAS-X1™ CAT 6 SHIELDED QUICKPORT® JACKS

- Patented Retention Force Technology (RFT) protects against time damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- PoE optimised 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, minimising damage from excess heat in PoE applications
- Available with internal shutter to protect from dust and debris
- Unique tool-free design requires no specialised termination or re-termination tool
- Short jack design supports a wider range of applications (e.g. shallow boxes, enclosures, bend radius, etc.)
- Includes interchangeable colour-coded icons for identification (VOICE, DATA, AV, blank), also offered separately in 13 colours
- 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
- Aluminium tape foil shield covers all four pairs
- Drain wire is made of 24-gauge (0.5 mm) tinned copper
- Make-to-order custom lengths are available
- Snagless boot design prevents tab breakage during moves, adds and changes



CABLE

CAT 6 SHIELDED CABLE

- 23-gauge solid annealed copper wire
- 4 twisted pairs cabled together, with central separator for increased internal crosstalk performance
- 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 colour coded for identification
- Designed and constructed to give optimal electrical performance to the following standards:
 - ISO/IEC 11801 Class E, IEC 61156-5
 - EN 50173-1 and EN 50288-5-1
 - ANSI/TIA-568-C.2
- 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
- Meet ANSI/TIA-568-C.2 and ISO/IEC 11801
- Accepts all shielded QuickPort jacks

PART NUMBERS - Common part numbers shown. Many additional colours, lengths, CPR EuroClass ratings, and other options available online.

JACKS	STANDARD	SHUTTERED	ADDITIONAL ICONS		
Atlas-X1 Cat 6 Shielded QuickPort Jack	61SJK-R*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	GREY
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 Colour: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (L), Green (V), Grey (G), Black (E), Brown (B)
 + = Sold empty, load with 61SJK jacks ### = Length: 1 (010), 2 (020), 3 (030), 5 (050) metres