

INTERNATIONAL SYSTEM DATA SHEET

# EXTREME® CAT 6A UTP SYSTEM

Our standard Cat 6A system, excellent for high-bandwidth networks

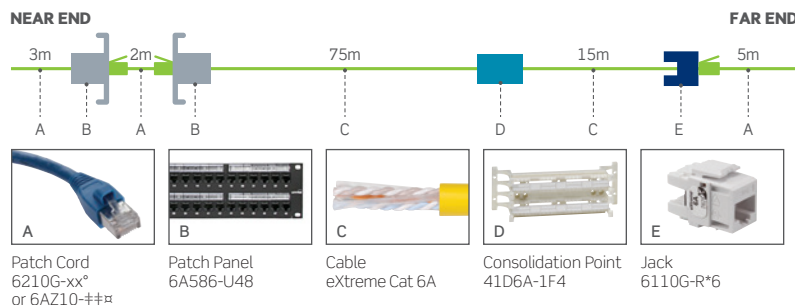
- Exceeds ANSI/TIA-568.2-D Cat 6A and ISO/IEC 11801-1 Class E<sub>A</sub> requirements for cabling systems performance to support IEEE 10GBASE-T (802.3an) networks
- Third-party verified by Intertek Testing Services (ETL)
- Error-free performance up to 10 Gigabit Ethernet with full duplex transmission
- Backwards compatible with Gigabit Ethernet to provide seamless migration path to 10GBASE-T and supports all Cat 6 and Cat 5e system requirements

## TYPICAL \* SYSTEM PERFORMANCE

EXTREME CAT 6A UTP SYSTEM CHANNEL MARGINS*									
Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSELFEXT)	Return Loss	ACR-N	PSACR-N	PSANEXT	PSAACR-F
3%	2 dB	3 dB	5 dB	6 dB	1 dB	4 dB	5 dB	0 dB	0 dB

\*All parameters comply with ANSI/TIA-568.2-D Cat 6A and ISO/IEC 11801-1 Class E<sub>A</sub> 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](http://www.leviton.com).

## SYSTEM TOPOLOGY



### RECOMMENDED FOR

10GBASE-T network application and mission-critical systems

Enterprise applications

Optimized total cost of ownership for 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

IP-based security and building automation systems utilizing UTP cabling

# CAT 6A

## eXtreme





## LEVITON JACKS

### EXTREME® CAT 6A CHANNEL-RATED QUICKPORT® JACKS

- Exceed requirements for Category 6A channel-level described in ANSI/TIA-568.2-D and Class EA requirements described in ISO/IEC 11801-1
- Patented Retention Force Technology™ protects against time damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- Patented Cone of Silence® helps suppress alien crosstalk (AXT)
- Circuit board technology for exceptional high-frequency operation
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- Pair Separation Tower design facilitates separation of conductors and minimizes untwisting
- Patented dual-layer wiring label simplifies punchdown and reduces rework
- 90 or 180 degree bi-directional entry eases cable bend radius in back boxes
- Supports Power over Ethernet (PoE) —see individual product specifications sheets for full capabilities
- Backward compatible with Cat 6 and 5e systems, and 1000BASE-T applications
- Proudly manufactured in the U.S.



## LEVITON PATCH PANELS

### CAT 6A E2XH, 110-STYLE, AND QUICKPORT PATCH PANELS

- Available in cassette-style, 110-Style, and QuickPort flat, angled, recessed angled, recessed, and zero-u configurations in 12-, 24-, 48-, and 72-port counts
- Patented triple-stage compensation design with integrated flexible circuit enhances link and channel performance
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- QuickPort patch panels available for high-density applications — 1RU, 48-port



## LEVITON PATCH CORDS

### EXTREME CAT 6A PATCH CORDS

- Tested and verified for TIA Cat 6A channel requirements
- Excellent alien crosstalk (AXT) suppression
- 26-gauge stranded for maximum flexibility in any density patching environment
- Nominal outer diameter of .24" to reduce cable pathways in racks and cabinets
- Available in lengths of 3', 5', 7', 10' and in 4 colors
- LSZH cords available in 1, 2, 3, and 5 meter lengths and 3 colors



## LEVITON CABLE

### EXTREME CAT 6A UTP CABLE

- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO 11801-1 Class E<sub>A</sub> performance
- Round, compact design provides easier installation and cable management
- Provides bandwidth required for multimedia, video, and other future applications
- Available in Plenum, Riser, and IEC 60332-1 (LSZH) flame ratings

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

### LEVITON JACKS

eXtreme Cat 6A Channel-Rated QuickPort Jack	6110G-R*6
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### LEVITON E2XHD CASSETTES

e2XHD Empty Cassette+	E2XHD-BRK
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### LEVITON PATCH PANELS

	1RU, 24-PORT	1RU, 48-PORT	2RU, 48-PORT	2RU, 72-PORT	4RU, 192-PORT
e2XHD High-Density Flat Patch Panel*		E2X1F-D48			E2X4F-192
e2XHD High-Density Angled Patch Panel*		E2X1A-D48			E2X4A-192
Cat 6A Flat 110-Style Patch Panel	6A586-U24		6A586-U48		
Cat 6A Angled 110-Style Patch Panel	6A587-U24		6A587-U48		
Flat QuickPort Patch Panel+	49255-H24	49255-Q48	49255-H48	49255-D72	
Angled QuickPort Patch Panel+	49256-H24	49256-D48	49256-H48	49256-D72	

### LEVITON PATCH CORDS

eXtreme Cat 6A Channel-Rated Patch Cord	CM	LSZH
	6210G-xx*	6AZ10-##‡

### LEVITON CABLE

	CANADA	LATIN AMERICA	EUROPE	AFRICA	MIDDLE EAST	INDIA	KOREA	ASIA
Cat 6A, Riser Rated, blue~	110-EUTAR-MLS	110-EUTAR-MLS			110-EUTAR-MLS	110-EUTAR-MLS	110-EUTAR-MLS	110-EUTAR-MLS
Cat 6A, Plenum Rated, blue~	110-EUTAP-MLS	110-EUTAP-MLS			110-EUTAP-MLS	110-EUTAP-MLS	110-EUTAP-MLS	110-EUTAP-MLS
Cat 6A, Low-Smoke Zero Halogen, blue~		203-UTCAZ-MLS	203-UTCAZ-MLS	203-UTCAZ-MLS	203-UTCAZ-MLS	203-UTCAZ-MLS	203-UTCAZ-MLS	203-UTCAZ-MLS

\* = 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 6110G jacks  
 ~ = Sold empty, load with E2XHD-BRK cassettes xx = Length: 3, 5, 7, 10 feet \* = Color: White (W), Blue (L), Red (R), Gray (S)  
 ~ = Sold in 305-meter spools. Additional colors available, visit Leviton.com/cable ## = Color: White (WH), Blue (BL), Gray (GY) ‡ = Length in meters