

## Atlas-X1™ Cat 6A SlimLine Boot Patch Cords

### APPLICATION

Atlas-X1 Cat 6A SlimLine Boot Patch Cords exceed all channel performance requirements in ANSI/TIA-568-C.2 from 1 MHz to 500 MHz to support the IEEE 802.3an standard for 10 Gigabit Ethernet over UTP Cable. The patch cords provide superior alien crosstalk suppression and protect critical data from EMI (electromagnetic interference) and RFI (radio frequency interference). They are ideal for use in a UTP Cat 6A system, or as part of a Cat 6A shielded system for use in health care, manufacturing, casinos, and other environments where alien crosstalk may be a concern. The shielded technology is Rockwell Automation Encompass™ approved.



### SPECIFICATION

Cat 6A patch cords shall provide electrical ANSI/TIA-568-C.2 Cat 6A performance for all internal and alien crosstalk parameters from 1 to 500 MHz. The patch cord shall be a 26-gauge FTP construction with stranded conductors to provide greater flex-life. The patch cord will incorporate a SlimLine boot combination to provide strain relief and ease of use in higher-density applications. The patch cords shall be available in standard lengths of 3, 5, 7, 10, 15, and 20 feet. The patch cord shall be available in seven standard colors. Patch cord plug shall have industry-standard, ANSI/TIA-1096-A compliant 50 micro inches of gold plating.

### COUNTRY OF ORIGIN

USA

### FEATURES

- Independently tested and verified by Intertek (ETL) for Cat 6A component performance
- Cable construction provides excellent alien crosstalk suppression and EMI/RFI protection
- SlimLine boot features a narrow profile for less congestion in higher-density applications
- Snagless design prevents tab breakage
- Strain-relief boot ensures long-term network performance
- Outside diameter of .240 inches easier to manage
- 26-gauge stranded conductors for maximum flexibility
- Same cord for UTP or shielded installations
- Manufactured by Leviton using Berk-Tek cable

### STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2 component requirements for connecting hardware from 1 MHz to 500 MHz
- ISO/IEC 11801 Cat 6A
- cULus listed
- ANSI/TIA-1096-A (formerly FCC Part 68)
- UL 444 CMR rated
- IEEE 802.3at (Type 1) Power over Ethernet (PoE) applications up to 15.4 watts
- IEEE 802.3at (Type 2) Power over Ethernet (PoE+) applications up to 30 watts
- IEEE Draft 802.3bt/D1.2 (Type 3) Power over Ethernet (PoE+) applications up to 60 watts
- IEEE Draft 802.3bt/D1.2 (Type 4) Power over Ethernet (PoE+) applications up to 100 watts - maximum cable bundle limit of 100 cords
- Cisco Universal Power Over Ethernet (UPOE) applications up to 60 watts
- Power over HDBaseT™ (POH) applications up to 100 watts

### PHYSICAL SPECIFICATIONS

Available Lengths:	See page two
Outer Diameter (O.D.):	0.240"
Materials:	26-gauge, FTP stranded conductor
Colors:	White, yellow, orange, red, violet, blue, green, grey, and black

### WARRANTY INFORMATION

**Note:** Limited Product and Limited Extended Warranties are rendered VOID if the installed structured cabling system is used for PoE applications that exceed the product's specified power rating. For a copy of Leviton product warranties, visit [www.leviton.com/warranty](http://www.leviton.com/warranty).

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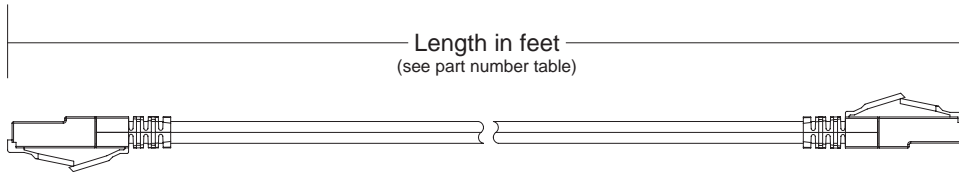
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**ELECTRONIC FILES**

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit [www.leviton.com](http://www.leviton.com).



O.D.: 0.240"

**6AS10-xxx**

ANSI/TIA-568-C.2 Cat 6A PATCH CORD REQUIREMENTS	TIA Minimum Requirements* (dB)		
	@ 100MHz	@ 250MHz	@ 500MHz
1-Meter Patch Cord NEXT	47.0	39.3	28.2
2-Meter Patch Cord NEXT	46.4	38.9	28.4
5-Meter Patch Cord NEXT	45.4	38.1	29.0
Return Loss - All Lengths	18.0	14.0	9.5

1 Meter = 3.280 Feet, 2 Meters = 6.561 Feet, 5 Meters = 16.404 Feet

**\*NOTES:**  
Patch Cords shall meet requirements of all parameters from 1-500 MHz.  
Values in above table are only at specific frequencies and are for reference only.

**ATLAS-X1™ CAT 6A SLIMLINE BOOT PATCH CORDS – STOCKED ITEMS**

Description	White	Yellow	Red	Blue	Green	Grey	Black
Cat 6A SlimLine Boot Patch Cord, 3 feet (0.9 m)	6AS10-03W	6AS10-03Y	6AS10-03R	6AS10-03L	6AS10-03G	6AS10-03S	6AS10-03E
Cat 6A SlimLine Boot Patch Cord, 5 feet (1.5 m)	6AS10-05W	6AS10-05Y	6AS10-05R	6AS10-05L	6AS10-05G	6AS10-05S	6AS10-05E
Cat 6A SlimLine Boot Patch Cord, 7 feet (2.1 m)	6AS10-07W	6AS10-07Y	6AS10-07R	6AS10-07L	6AS10-07G	6AS10-07S	6AS10-07E
Cat 6A SlimLine Boot Patch Cord, 10 feet (3.0 m)	6AS10-10W	6AS10-10Y	6AS10-10R	6AS10-10L	6AS10-10G	6AS10-10S	6AS10-10E
Cat 6A SlimLine Boot Patch Cord, 15 feet (4.6 m)	6AS10-15W	6AS10-15Y	6AS10-15R	6AS10-15L	6AS10-15G	6AS10-15S	6AS10-15E
Cat 6A SlimLine Boot Patch Cord, 20 feet (6.1 m)	6AS10-20W	6AS10-20Y	6AS10-20R	6AS10-20L	6AS10-20G	6AS10-20S	6AS10-20E

**NOTE:** Other lengths are available by special order, please contact customer service for more information.



For assistance customizing your patch cords, please visit [www.leviton.com/configurator](http://www.leviton.com/configurator) or call Tech Support at 800.824.3005.



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