

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 CM 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

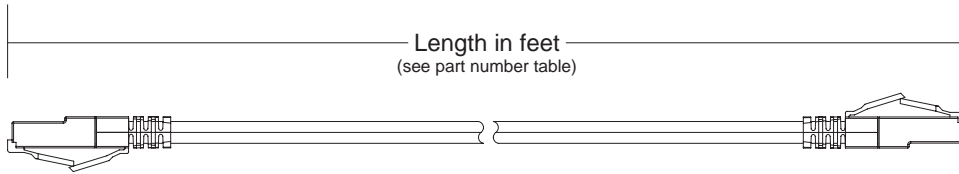
Available Lengths:	See page two
Outer Diameter (O.D.):	0.240"
Materials:	26-gauge, FTP stranded conductor
Colors:	White, yellow, orange, red, violet, blue, green, grey, and black

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.

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



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.

PART NUMBERS

Description	Part No.
Atlas-X1™ Cat 6A SlimLine Boot Patch Cord, 26-gauge stranded conductor, 3-foot length (0.9 m)	6AS10-03*
Atlas-X1 Cat 6A SlimLine Boot Patch Cord, 26-gauge stranded conductor, 5-foot length (1.5 m)	6AS10-05*
Atlas-X1 Cat 6A SlimLine Boot Patch Cord, 26-gauge stranded conductor, 7-foot length (2.1 m)	6AS10-07*
Atlas-X1 Cat 6A SlimLine Boot Patch Cord, 26-gauge stranded conductor, 10-foot length (3.0 m)	6AS10-10*
Atlas-X1 Cat 6A SlimLine Boot Patch Cord, 26-gauge stranded conductor, 15-foot length (4.6 m)	6AS10-15*
Atlas-X1 Cat 6A SlimLine Boot Patch Cord, 26-gauge stranded conductor, 20-foot length (6.1 m)	6AS10-20*

* = Color: White (W), Yellow (Y), Red (R), Blue (L), Green (G), Grey (S), Black (E)
Orange (O) and Violet (V) only available as a Make-to-Order configuration



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 or call Tech Support at 800.824.3005.



Leviton Network Solutions 2222 - 222nd St. SE Bothell, WA 98021-4416 tel 1-800-824-3005 tel +1-425-486-2222 appeng@leviton.com www.leviton.com	Asia / Pacific T +1.631.812.6228 E infoasean@leviton.com	Canada T +1.514.954.1840 E pcservice@leviton.com	Caribbean T +1.954.593.1896 E infocaribbean@leviton.com	China T +852.2774.9876 E infochina@leviton.com	Colombia T +57.1.743.6045 E infocolombia@leviton.com
	Europe T +33.6.8869.1380 E infoeurope@leviton.com	India / SAARC T +971.4.886.4722 E infoindia@leviton.com	Mexico T +52.55.5082.1040 E lsamarketing@leviton.com	Middle East & Africa T +971.4.886.4722 E lmeinfo@leviton.com	South Korea T +82.2.3273.9963 E infokorea@leviton.com