

## PRODUCT SPECIFICATIONS

H6A10-XX\*, H6AP0-XX\*

# Cat 6A Small Diameter High-Flex Patch Cords

## APPLICATION

Cat6ASmall Diameter High-Flex Patch Cords, with a compact plug and boot, are designed to be used in 10-Gigabit applications for all frequencies from 1 to 500 MHz. Patch cords offer flexible, high density patching. Patch cables provide small 0.185" (4.7 mm) OD and support high-speed data applications. They reduce patch cord density in a 24-port patch panel by 25% when compared to typical Cat 6A patch cords. They are ideal for use in a UTP Cat 6A system, or as part of a Cat 6A shielded system.



## SPECIFICATION

Patchcords shall meet or exceed electrical transmission performance requirements of links and channels as described in ANSI/TIA-568.2 (Cat 6A), ISO/IEC 11801-1 (Class EA), and EN 50173-1 (Class EA). The patch cords shall be 28 AWG, shielded, twisted pair, stranded conductor construction with a standard 8-position modular plug on both ends. Plug contacts shall be plated with minimum of 50 micro inches of gold. Patch cable shall be CM/LSZH dual rated. Patch cords shall have an outer diameter of 0.185" (4.7 mm) and shall be available in white, yellow, gray, black, red, green, and blue.

## FEATURES & BENEFITS

- Available in lengths from 1-50 feet
- Dual-rated cable jacket (CM/LSZH)
- Compact plug and boot promotes shorter installed bend radius, ideal for limited depth applications
- Bend radius is a narrow 0.74 inches, versus 1.0 inch for typical Cat 6A patch cords
- Accepts clip-on colored boot markers for network ID
- Snagless design prevents tab breakage
- Integrated strain relief
- Same cord for UTP or shielded installations
- Compatible with Leviton Secure RJ system
- GREENPACK™ Bulk Pack Sustainably Smart Packaging eliminates single use plastics in packaging and reduces jobsite time removing cords from individual bags
- GREENPACK™ supplied in 12- or 24- unit packs
- GREENPACK™ Sustainably Smart Packaging is 100% recyclable brown cardboard with reduced ink coverage
- GREENPACK™ reduces jobsite waste by eliminating all sub-level packaging
- Living Building Challenge Red List Free product

## DESIGN CONSIDERATIONS

- ChannelLength:
  - Supports 96-meter channels that include 90-meter permanent links
  - Supports 93-meter channels with 10 meters of patch cords included in the channel
- Under PoE at 100 watts, must observe bundle size/bundle separation per TIA TSB-184-A
- GREENPACK™ patch cords packed in either 12 or 24 cords per box

## WARRANTY INFORMATION

ForLevitonproductwarranties,goto [Leviton.com/ns/warranty](http://Leviton.com/ns/warranty)

H6A10-XX\*, H6AP0-XX\*

## PRODUCT SPECIFICATIONS

### H6A10-XX\*, H6AP0-XX\*

#### MECHANICAL SPECIFICATIONS

Dimensions: 1-50 foot lengths (0.3-15 m)  
Materials: 28 AWG, stranded U/FTP, standard modular non-keyed, 8-position, 8-conductor plug, 94V-0 rated  
Cable Outer Diameter: 0.185 inches (4.7 mm)  
Bend Radius: 0.74 inches (18.8 mm)  
Temp. (Storage): -20 °C to +70 °C (-4 °F to +158 °F)  
Temp. (Installation): 0 °C to +50 °C (+32 °F to +122 °F)  
Temp. (Operating): -20 °C to +60 °C (-4 °F to +140 °F)  
Humidity (Max): 93% relative humidity, non-condensing  
UL voltage rating: 300 V

#### STANDARDS & REGULATIONS

- ANSI/TIA-568.2
- ISO/IEC 11801-1
- EN 50173-1
- IEC 61156-6
- ANSI/TIA-1096-A (formerly FCC Part 68)
- UL 444 CM Rated
- IEC 60332-1-2, 60754-2, 61034
- IEC 60603-7
- IEC 60603-7-1
- IEEE 802.3 PoE Type 1, 2, 3, 4 (100 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)
- Exceeds IEEE 802.3 standard up to 0.5 amps per conductor (100 watts) continuously
- Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3 (Type 4) and complies with the unmating under electrical load requirements prescribed by IEC 60512-99-002
- c(UL)us Listed (UL 1863)
- RoHS compliant

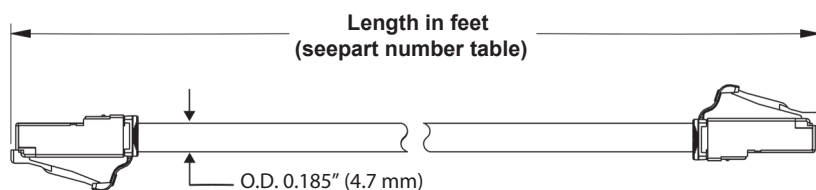
H6A10-XX\*, H6AP0-XX\*

#### PART NUMBERS FOR EUROPE, MIDDLE EAST AND APAC

| Description                             | White     | Yellow    | Red       | Blue      | Green     | Gray      |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| Patch Cord, 1 foot (0.3 m), pack of 24  | H6AP0-01W | H6AP0-01Y | H6AP0-01R | H6AP0-01L | H6AP0-01G | H6AP0-01S |
| Patch Cord, 2 feet (0.6 m), pack of 24  | H6AP0-02W | H6AP0-02Y | H6AP0-02R | H6AP0-02L | H6AP0-02G | H6AP0-02S |
| Patch Cord, 3 feet (0.9 m), pack of 24  | H6AP0-03W | H6AP0-03Y | H6AP0-03R | H6AP0-03L | H6AP0-03G | H6AP0-03S |
| Patch Cord, 4 feet (1.2 m), pack of 24  | H6AP0-04W | H6AP0-04Y | H6AP0-04R | H6AP0-04L | H6AP0-04G | H6AP0-04S |
| Patch Cord, 5 feet (1.5 m), pack of 24  | H6AP0-05W | H6AP0-05Y | H6AP0-05R | H6AP0-05L | H6AP0-05G | H6AP0-05S |
| Patch Cord, 7 feet (2.1m), pack of 24   | H6AP0-07W | H6AP0-07Y | H6AP0-07R | H6AP0-07L | H6AP0-07G | H6AP0-07S |
| Patch Cord, 10 feet (3.0 m), pack of 24 | H6AP0-10W | H6AP0-10Y | H6AP0-10R | H6AP0-10L | H6AP0-10G | H6AP0-10S |
| Patch Cord, 12 feet (3.7 m), pack of 12 | H6AP0-12W | H6AP0-12Y | H6AP0-12R | H6AP0-12L | H6AP0-12G | H6AP0-12S |
| Patch Cord, 14 feet (4.3 m), pack of 12 | H6AP0-14W | H6AP0-14Y | H6AP0-14R | H6AP0-14L | H6AP0-14G | H6AP0-14S |
| Patch Cord, 15 feet (4.6 m), pack of 12 | H6AP0-15W | H6AP0-15Y | H6AP0-15R | H6AP0-15L | H6AP0-15G | H6AP0-15S |
| Patch Cord, 17 feet (5.2 m), pack of 12 | H6AP0-17W | H6AP0-17Y | H6AP0-17R | H6AP0-17L | H6AP0-17G | H6AP0-17S |
| Patch Cord, 20 feet (6.1 m), pack of 12 | H6AP0-20W | H6AP0-20Y | H6AP0-20R | H6AP0-20L | H6AP0-20G | H6AP0-20S |

## PRODUCT SPECIFICATIONS

### H6A10-XX\*, H6AP0-XX\*



#### PART NUMBERS FOR NORTH AMERICA AND LATIN AMERICA

| Description                 | White     | Yellow    | Red       | Blue      | Green     | Gray      | Black     | GREENPACK™ Blue 12- or 24-Count Pack |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------------------------------|
| Patch Cord, 1 foot (0.3 m)  | H6A10-01W | H6A10-01Y | H6A10-01R | H6A10-01L | H6A10-01G | H6A10-01S | H6A10-01E | H6AP0-01L (24 pk)                    |
| Patch Cord, 2 feet (0.6 m)  | H6A10-02W | H6A10-02Y | H6A10-02R | H6A10-02L | H6A10-02G | H6A10-02S | H6A10-02E | — H6AP0-03L (24                      |
| Patch Cord, 3 feet (0.9 m)  | H6A10-03W | H6A10-03Y | H6A10-03R | H6A10-03L | H6A10-03G | H6A10-03S | H6A10-03E | pk) — H6AP0-05L                      |
| Patch Cord, 4 feet (1.2 m)  | H6A10-04W | H6A10-04Y | H6A10-04R | H6A10-04L | H6A10-04G | H6A10-04S | H6A10-04E | (24 pk) — H6AP0-                     |
| Patch Cord, 5 feet (1.5 m)  | H6A10-05W | H6A10-05Y | H6A10-05R | H6A10-05L | H6A10-05G | H6A10-05S | H6A10-05E | 07L (24 pk) — —                      |
| Patch Cord, 6 feet (1.8 m)  | H6A10-06W | H6A10-06Y | H6A10-06R | H6A10-06L | H6A10-06G | H6A10-06S | H6A10-06E | H6AP0-10L (24 pk)                    |
| Patch Cord, 7 feet (2.1 m)  | H6A10-07W | H6A10-07Y | H6A10-07R | H6A10-07L | H6A10-07G | H6A10-07S | H6A10-07E | — — — H6AP0-                         |
| Patch Cord, 8 feet (2.4 m)  | H6A10-08W | H6A10-08Y | H6A10-08R | H6A10-08L | H6A10-08G | H6A10-08S | H6A10-08E | 15L (12 pk) — —                      |
| Patch Cord, 9 feet (2.7 m)  | H6A10-09W | H6A10-09Y | H6A10-09R | H6A10-09L | H6A10-09G | H6A10-09S | H6A10-09E | — — H6AP0-20L                        |
| Patch Cord, 10 feet (3.0 m) | H6A10-10W | H6A10-10Y | H6A10-10R | H6A10-10L | H6A10-10G | H6A10-10S | H6A10-10E | (12 pk)                              |
| Patch Cord, 11 feet (3.3 m) | H6A10-11W | H6A10-11Y | H6A10-11R | H6A10-11L | H6A10-11G | H6A10-11S | H6A10-11E |                                      |
| Patch Cord, 12 feet (3.7 m) | H6A10-12W | H6A10-12Y | H6A10-12R | H6A10-12L | H6A10-12G | H6A10-12S | H6A10-12E |                                      |
| Patch Cord, 13 feet (3.9 m) | H6A10-13W | H6A10-13Y | H6A10-13R | H6A10-13L | H6A10-13G | H6A10-13S | H6A10-13E |                                      |
| Patch Cord, 14 feet (4.3 m) | H6A10-14W | H6A10-14Y | H6A10-14R | H6A10-14L | H6A10-14G | H6A10-14S | H6A10-14E |                                      |
| Patch Cord, 15 feet (4.6 m) | H6A10-15W | H6A10-15Y | H6A10-15R | H6A10-15L | H6A10-15G | H6A10-15S | H6A10-15E |                                      |
| Patch Cord, 16 feet (4.9 m) | H6A10-16W | H6A10-16Y | H6A10-16R | H6A10-16L | H6A10-16G | H6A10-16S | H6A10-16E |                                      |
| Patch Cord, 17 feet (5.2 m) | H6A10-17W | H6A10-17Y | H6A10-17R | H6A10-17L | H6A10-17G | H6A10-17S | H6A10-17E |                                      |
| Patch Cord, 18 feet (5.5 m) | H6A10-18W | H6A10-18Y | H6A10-18R | H6A10-18L | H6A10-18G | H6A10-18S | H6A10-18E |                                      |
| Patch Cord, 19 feet (5.8 m) | H6A10-19W | H6A10-19Y | H6A10-19R | H6A10-19L | H6A10-19G | H6A10-19S | H6A10-19E |                                      |
| Patch Cord, 20 feet (6.1 m) | H6A10-20W | H6A10-20Y | H6A10-20R | H6A10-20L | H6A10-20G | H6A10-20S | H6A10-20E |                                      |

Note: Lengths from 3-20 feet are component rated; all other lengths are channel rated. Additional lengths and colors available. Please contact Customer Service for details. Compatible with Patch Cord Color Clips, available in Blue (L), Red (C), Green (V) or Yellow (Y) in bags of 24 pieces (Part Number: PCCLP-B\*M). Additional lengths and colors, such as Orange (O) and Violet (V), available.

For further support information, visit [Leviton.com/ns/support](http://Leviton.com/ns/support)