

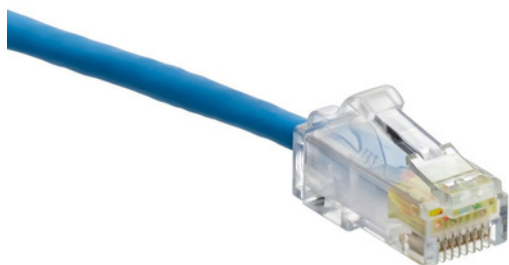
## PRODUCT SPECIFICATIONS

6H460-XX\*, 6H4P0-XX\*

# Cat 6 Small Diameter High-Flex Patch Cords

## APPLICATION

Cat6 Small Diameter High-Flex Patch Cords, with a compact plug and boot, are designed to be used in 1-Gigabit applications and all frequencies from 1 to 250 MHz. Patch cords offer flexible, high-density patching. Cables support high-speed data applications. They reduce patch cord density in a 24-port patch panel by 38 percent when compared to typical Cat 6 patch cords.



## SPECIFICATION

Patchcords shall meet or exceed electrical transmission performance requirements of links and channels as described in ANSI/TIA-568.2 (Cat 6), ISO/IEC 11801-1 (Class E), and EN 50173-1 (Class E). The patch cords shall be 28 AWG, unshielded, 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 and rated to 2,500 mating cycles. Patch cords shall have an outer diameter of 0.15 inches (3.8 mm) and shall be available in white, yellow, gray, black, red, green, and blue.

## WARRANTY INFORMATION

For Leviton product warranties, goto [Leviton.com/ns/warranty](http://Leviton.com/ns/warranty)

## DESIGN CONSIDERATIONS

- Provide connectivity for 1-Gigabit applications
- Available in a variety of colors for color-coding or organization
- Channel Length:
  - 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 load at 100 watts, must observe bundle size/bundle separation per TIA TSB-184-A
- GREENPACK™ patch cords packed in either 24 or 12 cords per box

## FEATURES & BENEFITS

- Available in white, yellow, gray, black, red, green, and blue
- Available in stock lengths of 6 inches (0.15 m) and 1-20 feet (0.30 - 6.0 m) in 1-foot (0.3 m) increments
- Power over Ethernet (PoE and PoE+) compatible
- Compact plug and boot promotes shorter installed bend radius, ideal for limited depth applications
- Accommodate use in high-density switches, routers, and other electronics
- Bend radius is a narrow 0.60 inches (15.2 mm), versus 1.0 inch (25.4 mm) for typical Cat 6 patch cords
- Snagless plug design prevents tab breakage
- Integrated strain-relief
- Plug contacts rated to 2,500 mating cycles
- Dual-rated cable jacket (CM/LSZH)
- Accepts clip-on colored boot markers for network identifications
- 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 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

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## PRODUCT SPECIFICATIONS

### 6H460-XX\*, 6H4P0-XX\*

#### MECHANICAL SPECIFICATIONS

|                       |                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------|
| Dimensions:           | 6"-20'(0.15 - 6.0m)<br>in 1' (0.3 m) increments                                                      |
| Materials:            | 28 AWG, stranded UTP,<br>standard modular non-keyed,<br>8-position, 8-conductor plug,<br>94V-0 rated |
| Cable Outer Diameter: | 0.15 inches (3.8 mm)                                                                                 |
| Bend Radius:          | 0.60 inches (15.2 mm)                                                                                |
| Temp. (Storage):      | -20 °C to +60 °C                                                                                     |
| Temp. (Installation): | 0 °C to +50 °C                                                                                       |
| Temp. (Operating):    | -20 °C to +50 °C                                                                                     |
| UL voltage rating:    | 300V                                                                                                 |

#### STANDARDS & REGULATIONS

- ANSI/TIA-568.2
- ISO/IEC 11801-1
- EN 50173-1
- ANSI/TIA-1096-A
- RoHS compliant
- UL 444 - CM
- IEC 60603-7: Connectors for electronic equipment -  
Part 7: Detail specification for 8-way, unshielded, free  
and fixed connectors
- IEC 60332-1 [1,2] (2004-07), 60754, 61034
- 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

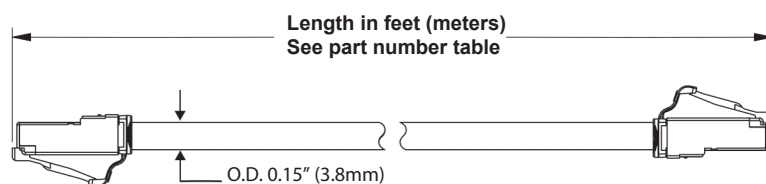
6H460-XX\*, 6H4P0-XX\*

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

| Description                               | White     | Yellow    | Red       | Blue      | Green     | Gray      |
|-------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Patch Cord, 0.5 feet (0.15 m), pack of 24 | 6H4PI-06W | 6H4PI-06Y | 6H4PI-06R | 6H4PI-06L | 6H4PI-06G | 6H4PI-06S |
| Patch Cord, 1 foot (0.3 m), pack of 24    | 6H4P0-01W | 6H4P0-01Y | 6H4P0-01R | 6H4P0-01L | 6H4P0-01G | 6H4P0-01S |
| Patch Cord, 2 feet (0.6 m), pack of 24    | 6H4P0-02W | 6H4P0-02Y | 6H4P0-02R | 6H4P0-02L | 6H4P0-02G | 6H4P0-02S |
| Patch Cord, 3 feet (0.9 m), pack of 24    | 6H4P0-03W | 6H4P0-03Y | 6H4P0-03R | 6H4P0-03L | 6H4P0-03G | 6H4P0-03S |
| Patch Cord, 4 feet (1.2 m), pack of 24    | 6H4P0-04W | 6H4P0-04Y | 6H4P0-04R | 6H4P0-04L | 6H4P0-04G | 6H4P0-04S |
| Patch Cord, 5 feet (1.5 m), pack of 24    | 6H4P0-05W | 6H4P0-05Y | 6H4P0-05R | 6H4P0-05L | 6H4P0-05G | 6H4P0-05S |
| Patch Cord, 7 feet (2.1m), pack of 24     | 6H4P0-07W | 6H4P0-07Y | 6H4P0-07R | 6H4P0-07L | 6H4P0-07G | 6H4P0-07S |
| Patch Cord, 10 feet (3.0 m), pack of 24   | 6H4P0-10W | 6H4P0-10Y | 6H4P0-10R | 6H4P0-10L | 6H4P0-10G | 6H4P0-10S |
| Patch Cord, 12 feet (3.7 m), pack of 12   | 6H4P0-12W | 6H4P0-12Y | 6H4P0-12R | 6H4P0-12L | 6H4P0-12G | 6H4P0-12S |
| Patch Cord, 14 feet (4.3 m), pack of 12   | 6H4P0-14W | 6H4P0-14Y | 6H4P0-14R | 6H4P0-14L | 6H4P0-14G | 6H4P0-14S |
| Patch Cord, 15 feet (4.6 m), pack of 12   | 6H4P0-15W | 6H4P0-15Y | 6H4P0-15R | 6H4P0-15L | 6H4P0-15G | 6H4P0-15S |
| Patch Cord, 17 feet (5.2 m), pack of 12   | 6H4P0-17W | 6H4P0-17Y | 6H4P0-17R | 6H4P0-17L | 6H4P0-17G | 6H4P0-17S |
| Patch Cord, 20 feet (6.1 m), pack of 12   | 6H4P0-20W | 6H4P0-20Y | 6H4P0-20R | 6H4P0-20L | 6H4P0-20G | 6H4P0-20S |

## PRODUCT SPECIFICATIONS

6H460-XX\*, 6H4P0-XX\*



6H460-XX\*, 6H4P0-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, 0.5 feet (0.15 m) | 6H460-6IW | 6H460-6IY | —         | 6H460-6IL | —         | 6H460-6IS | —         | — 6H4P0-01L (Pack of 24)                  |
| Patch Cord, 1 foot (0.3 m)    | 6H460-01W | 6H460-01Y | 6H460-01R | 6H460-01L | 01G       | 6H460-01S | 6H460-01E | 24) — 6H4P0-03L (Pack of 24)              |
| Patch Cord, 2 feet (0.6 m)    | 6H460-02W | 6H460-02Y | 6H460-02R | 6H460-02L | 6H460-02G | 6H460-02S | 6H460-02E | — 6H4P0-05L (Pack of 24)                  |
| Patch Cord, 3 feet (0.9 m)    | 6H460-03W | 6H460-03Y | 6H460-03R | 6H460-03L | 6H460-03G | 6H460-03S | 6H460-03E | 07L (Pack of 24) — 6H4P0-10L (Pack of 24) |
| Patch Cord, 4 feet (1.2 m)    | 6H460-04W | 6H460-04Y | 6H460-04R | 6H460-04L | 6H460-04G | 6H460-04S | 6H460-04E | 6H4P0-10L (Pack of 24)                    |
| Patch Cord, 5 feet (1.5 m)    | 6H460-05W | 6H460-05Y | 6H460-05R | 6H460-05L | 6H460-05G | 6H460-05S | 6H460-05E | — — — 6H4P0-15L (Pack of 12)              |
| Patch Cord, 6 feet (1.8 m)    | 6H460-06W | 6H460-06Y | 6H460-06R | 6H460-06L | 6H460-06G | 6H460-06S | 6H460-06E | — — — — 6H4P0-20L (Pack of 12)            |
| Patch Cord, 7 feet (2.1 m)    | 6H460-07W | 6H460-07Y | 6H460-07R | 6H460-07L | 6H460-07G | 6H460-07S | 6H460-07E | — — — — —                                 |
| Patch Cord, 8 feet (2.4 m)    | 6H460-08W | 6H460-08Y | 6H460-08R | 6H460-08L | 6H460-08G | 6H460-08S | 6H460-08E | 6H4P0-20L (Pack of 12)                    |
| Patch Cord, 9 feet (2.7 m)    | 6H460-09W | 6H460-09Y | 6H460-09R | 6H460-09L | 6H460-09G | 6H460-09S | 6H460-09E | — — — — —                                 |
| Patch Cord, 10 feet (3.0 m)   | 6H460-10W | 6H460-10Y | 6H460-10R | 6H460-10L | 6H460-10G | 6H460-10S | 6H460-10E | — — — — —                                 |
| Patch Cord, 11 feet (3.4 m)   | 6H460-11W | 6H460-11Y | 6H460-11R | 6H460-11L | 6H460-11G | 6H460-11S | 6H460-11E | — — — — —                                 |
| Patch Cord, 12 feet (3.7 m)   | 6H460-12W | 6H460-12Y | 6H460-12R | 6H460-12L | 6H460-12G | 6H460-12S | 6H460-12E | — — — — —                                 |
| Patch Cord, 13 feet (4.0 m)   | 6H460-13W | 6H460-13Y | 6H460-13R | 6H460-13L | 6H460-13G | 6H460-13S | 6H460-13E | — — — — —                                 |
| Patch Cord, 14 feet (4.3 m)   | 6H460-14W | 6H460-14Y | 6H460-14R | 6H460-14L | 6H460-14G | 6H460-14S | 6H460-14E | — — — — —                                 |
| Patch Cord, 15 feet (4.6 m)   | 6H460-15W | 6H460-15Y | 6H460-15R | 6H460-15L | 6H460-15G | 6H460-15S | 6H460-15E | — — — — —                                 |
| Patch Cord, 16 feet (4.9 m)   | 6H460-16W | 6H460-16Y | 6H460-16R | 6H460-16L | 6H460-16G | 6H460-16S | 6H460-16E | — — — — —                                 |
| Patch Cord, 17 feet (5.2 m)   | 6H460-17W | 6H460-17Y | 6H460-17R | 6H460-17L | 6H460-17G | 6H460-17S | 6H460-17E | — — — — —                                 |
| Patch Cord, 18 feet (5.5 m)   | 6H460-18W | 6H460-18Y | 6H460-18R | 6H460-18L | 6H460-18G | 6H460-18S | 6H460-18E | — — — — —                                 |
| Patch Cord, 19 feet (5.8 m)   | 6H460-19W | 6H460-19Y | 6H460-19R | 6H460-19L | 6H460-19G | 6H460-19S | 6H460-19E | — — — — —                                 |
| Patch Cord, 20 feet (6.1 m)   | 6H460-20W | 6H460-20Y | 6H460-20R | 6H460-20L | 6H460-20G | 6H460-20S | 6H460-20E | — — — — —                                 |

NOTE: Other lengths and colors are available by special order, please contact Customer Service for more information.  
Lengths from 3-20 feet are component rated; all other lengths are channel rated. 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)