

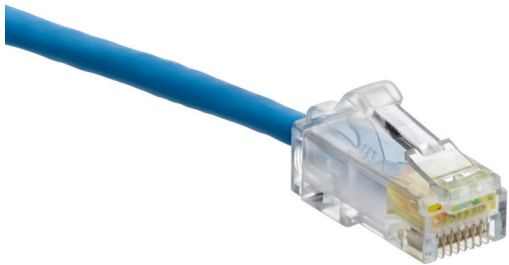
## PRODUCT SPECIFICATIONS

6H460-XX\* (available in North America and South America only)

# Cat 6 Small Diameter High-Flex Patch Cords

## APPLICATION

Cat 6 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

Patch cords shall provide 1 Gigabit application performance for cross connecting in systems comprising of equipment, cable, and appropriate connectors. 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.

## 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 at 100 watts, maximum bundle size is 12 cables with a separation of 1.5 inches from outer edge to outer edge of cable bundles for 28 AWG cables installed in air and a maximum ambient temperature of 45 °C (113 °F), as defined in TIA TSB-184-A

## 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
- 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
- Living Building Challenge Red List Free product

## WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/NS/Warranty](http://Leviton.com/NS/Warranty)

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### MECHANICAL SPECIFICATIONS

Dimensions:	6"-20' (0.30 - 6.0 m) in 1' (0.3 m) increments
Materials:	28 AWG, stranded UTP, standard modular non-keyed, 8-position, 8-conductor plug, 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 (-4 °F to +140 °F)
Temp. (Installation):	0 °C to +50 °C (+32 °F to +122 °F)
Temp. (Operating):	-20 °C to +50 °C (-4 °F to +122 °F)
UL voltage rating:	300V
Humidity (Max):	93% relative humidity, non-condensing

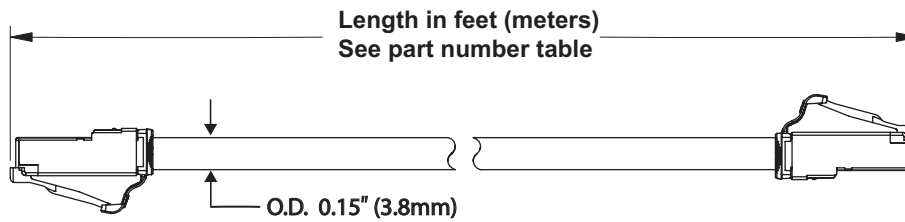
### STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D (Cat 6)
- ISO/IEC 11801-1 (Cat 6)
- EN 50173-1 (Cat 6)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- RoHS 2 compliant
- UL 444 - CM
- IEC 60332-1 [1,2] (2004-07), 60754, 61034
- IEEE 802.3bt PoE Type 1, 2, 3, 4 (100 watts max)
- IEC 60603-7: Connectors for electronic equipment - Part 7: Detail specification for 8-way, unshielded, free and fixed connectors
- Exceeds IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously
- Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3bt (Type 4) and complies with the unmating under electrical load requirements prescribed by IEC 60512-99-002
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)
- c(UL)us Listed (UL 1863)

**6H460-XX\***

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6H460-XX\*

PART NUMBERS							
Description	White	Yellow	Red	Blue	Green	Gray	Black
Cat 6 Small Diameter High-Flex Patch Cords, 0.5 feet (0.15 m)	6H460-6IW	6H460-6IY	—	6H460-6IL	—	6H460-6IS	—
Cat 6 Small Diameter High-Flex Patch Cord, 1 foot (0.3 m)	6H460-01W	6H460-01Y	6H460-01R	6H460-01L	6H460-01G	6H460-01S	6H460-01E
Cat 6 Small Diameter High-Flex Patch Cord, 2 feet (0.6 m)	6H460-02W	6H460-02Y	6H460-02R	6H460-02L	6H460-02G	6H460-02S	6H460-02E
Cat 6 Small Diameter High-Flex Patch Cord, 3 feet (0.9 m)	6H460-03W	6H460-03Y	6H460-03R	6H460-03L	6H460-03G	6H460-03S	6H460-03E
Cat 6 Small Diameter High-Flex Patch Cord, 4 feet (1.2 m)	6H460-04W	6H460-04Y	6H460-04R	6H460-04L	6H460-04G	6H460-04S	6H460-04E
Cat 6 Small Diameter High-Flex Patch Cord, 5 feet (1.5 m)	6H460-05W	6H460-05Y	6H460-05R	6H460-05L	6H460-05G	6H460-05S	6H460-05E
Cat 6 Small Diameter High-Flex Patch Cord, 6 feet (1.8 m)	6H460-06W	6H460-06Y	6H460-06R	6H460-06L	6H460-06G	6H460-06S	6H460-06E
Cat 6 Small Diameter High-Flex Patch Cord, 7 feet (2.1 m)	6H460-07W	6H460-07Y	6H460-07R	6H460-07L	6H460-07G	6H460-07S	6H460-07E
Cat 6 Small Diameter High-Flex Patch Cord, 8 feet (2.4 m)	6H460-08W	6H460-08Y	6H460-08R	6H460-08L	6H460-08G	6H460-08S	6H460-08E
Cat 6 Small Diameter High-Flex Patch Cord, 9 feet (2.7 m)	6H460-09W	6H460-09Y	6H460-09R	6H460-09L	6H460-09G	6H460-09S	6H460-09E
Cat 6 Small Diameter High-Flex Patch Cord, 10 feet (3.0 m)	6H460-10W	6H460-10Y	6H460-10R	6H460-10L	6H460-10G	6H460-10S	6H460-10E
Cat 6 Small Diameter High-Flex Patch Cord, 11 feet (3.4 m)	6H460-11W	6H460-11Y	6H460-11R	6H460-11L	6H460-11G	6H460-11S	6H460-11E
Cat 6 Small Diameter High-Flex Patch Cord, 12 feet (3.7 m)	6H460-12W	6H460-12Y	6H460-12R	6H460-12L	6H460-12G	6H460-12S	6H460-12E
Cat 6 Small Diameter High-Flex Patch Cord, 13 feet (4.0 m)	6H460-13W	6H460-13Y	6H460-13R	6H460-13L	6H460-13G	6H460-13S	6H460-13E
Cat 6 Small Diameter High-Flex Patch Cord, 14 feet (4.3 m)	6H460-14W	6H460-14Y	6H460-14R	6H460-14L	6H460-14G	6H460-14S	6H460-14E
Cat 6 Small Diameter High-Flex Patch Cord, 15 feet (4.6 m)	6H460-15W	6H460-15Y	6H460-15R	6H460-15L	6H460-15G	6H460-15S	6H460-15E
Cat 6 Small Diameter High-Flex Patch Cord, 16 feet (4.9 m)	6H460-16W	6H460-16Y	6H460-16R	6H460-16L	6H460-16G	6H460-16S	6H460-16E
Cat 6 Small Diameter High-Flex Patch Cord, 17 feet (5.2 m)	6H460-17W	6H460-17Y	6H460-17R	6H460-17L	6H460-17G	6H460-17S	6H460-17E
Cat 6 Small Diameter High-Flex Patch Cord, 18 feet (5.5 m)	6H460-18W	6H460-18Y	6H460-18R	6H460-18L	6H460-18G	6H460-18S	6H460-18E
Cat 6 Small Diameter High-Flex Patch Cord, 19 feet (5.8 m)	6H460-19W	6H460-19Y	6H460-19R	6H460-19L	6H460-19G	6H460-19S	6H460-19E
Cat 6 Small Diameter High-Flex 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.

PART NUMBERS	
Description	Part No.
Patch Cord Color Clip, blue, bag of 24	PCCLP-001-BLM
Patch Cord Color Clip, crimson red, bag of 24	PCCLP-002-BCM
Patch Cord Color Clip, green, bag of 24	PCCLP-003-BVM
Patch Cord Color Clip, yellow, bag of 24	PCCLP-004-BYM

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

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