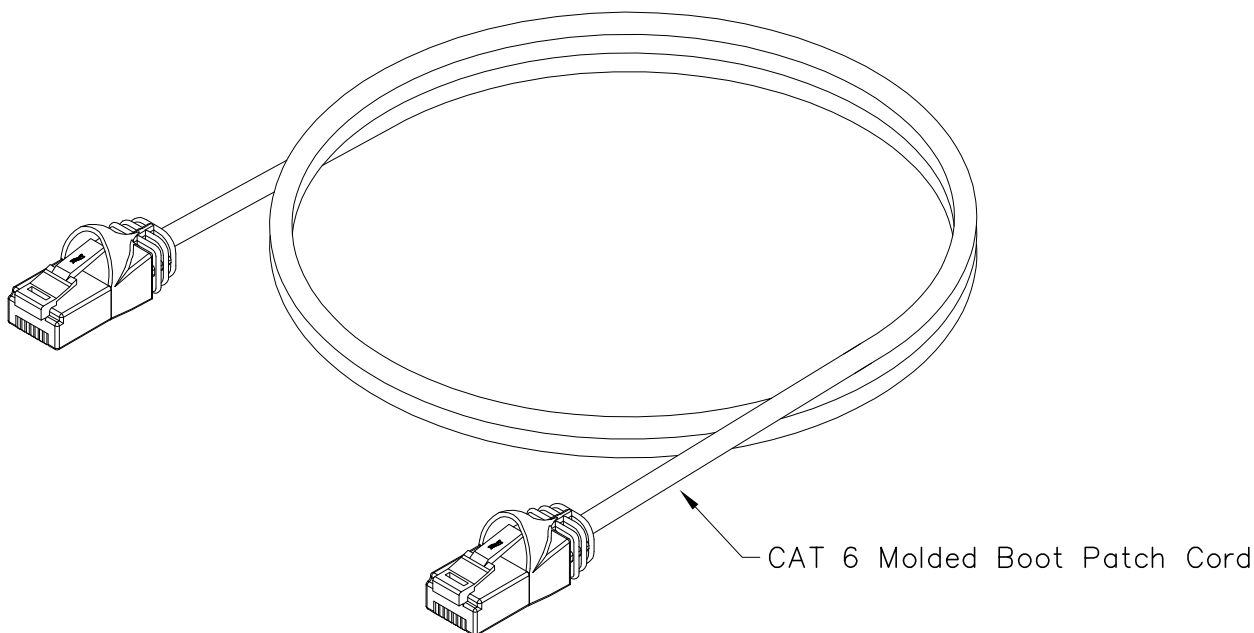


# Category 6 Molded Boot Patch Cord

## PRODUCT SPECIFICATION

### Package includes:

A. CAT 6 Molded Boot Patch Cord, 1 pc



### Features and Benefits:

- Performance, design, and value.
- 100 % Factory Tested , 50 Micro Inch Gold plated contacts .
- Component Rated and exceeds ANSI/TIA/EIA-568B.2-1 connecting hardware requirements .
- Ultra Slim Low Profile boots for high density applications, no width wasted on boot.
- Backwards compatible to all lower rated category components.
- Constructed with Ultra Flexible, EZ release, Snag Free Molded Strain relief .
- Stranded 24 AWG copper wire (No substandard tinned copper materials used) .
- Safety: UL listed with 94V-0 rated plugs, CSA, CMG, FT4 Flame rated.
- Available in 8 colors (Blue, Black, Green, Gray, Orange, Red, White, Yellow) .
- Available in 7 lengths (1, 3, 5, 7, 10, 14, 25 ft).

### PATCH CORD, CAT 6, MOLDED BOOT

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REV. B

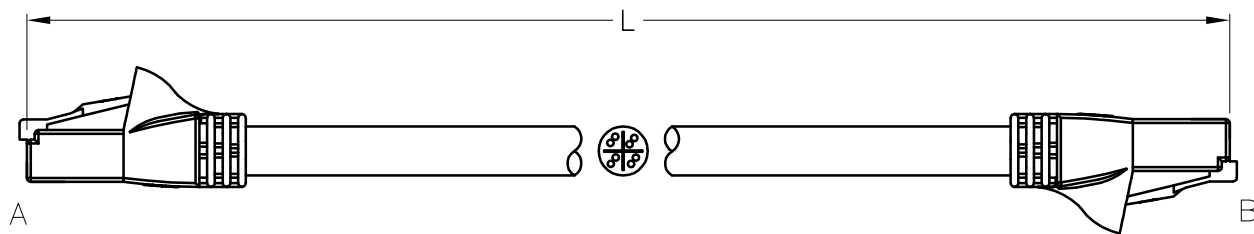
DWG NO.

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# **NOTE: UNLESS OTHERWISE SPECIFIED**

## 1. ELECTRICAL/PHYSICAL:

### A. CABLE:

- OPERATING TEMPERATURE: -20°C TO 80°C
- VELOCITY OF PROPORATION: NOM 67%
- CAPACITANCE, MUTUAL: 14.5 PF/FT AT 1 MHZ
- DIELECTRIC WITHSTANDS: 1500V RMS MIN
- D.C. RESISTANCE: 93.2 OHMS/KM MAX @ 20°C
- NOMINAL IMPEDANCE CHARACTERISTIC: 100.0 OHMS
  - ±15 @ 1 TO 100 MHZ
  - ±20 @ 100 TO 350 MHZ

### B. MODULAR PLUG:

- UL APPLICATIONS: 250 VOLTS MAX, AT 2 AMPS
- RESISTANCE OF INSULATION: 500 MOHMS
- RESISTANCE OF TERMINATION: 35 MILLIOHMS MAX @ -40°C TO 70°C
- DIELECTRIC WITHSTANDING VOLTAGE: 500 VOLTS AC

## 2. MECHANICAL:

### A. CABLE-TO-PLUG TENSILE STRENGTH: 20 LBS [89N] MIN

### B. DURABILITY: 200 MATING CYCLES MIN

## 3. MATERIAL & FINISH:

### A. CABLE: CATEGORY 6 PATCH CABLE

#### -JACKET:

- MATERIAL: PVC
- OVERALL DIAMETER: 0.250" MAX
- AVERAGE THICKNESS: 0.020"

#### -INSULATION:

- MATERIAL: HIGH DENSITY PE
- OVERALL DIAMETER: 0.038"
- AVERAGE THICKNESS: 0.007"
- COLOR: WHT/BLUExBLUE/WHT, WHT/ORANGExORANGE/WHT  
WHT/GREENxGREEN/WHT, WHT/BROWNxBROWN/WHT

- CONDUCTOR: 24 AWG (7X32) UL RATED, TINNED COPPER WIRE, STRANDED
- PERFORMANCE RATING: CATEGORY 6

### B. MODULAR PLUG WITH LOADING BAR: UL AND cUL RECOGNIZED

- HOUSING: PC, UL 94V-0
- COLOR: CLEAR
- CONTACT: PHOSPHOR BRONZE, 0.014" THICK
- GOLD PLATING: 1.27 MICRONS/50 MICRO INCH MIN ON CONTACTS
- NO. OF CONTACTS: 8

### C. STRAIN RELIEF:

- MATERIAL: 60P PVC, UL 94V-0

## 4. COLOR: XX: BK-BLACK, BL-BLUE, GN-GREEN, GY-GRAY, OR-ORANGE, RD-RED, WH-WHITE, & YL-YELLOW

| WIRING DIAGRAM |        |              |
|----------------|--------|--------------|
| PLUG A         | PLUG B | COLOR        |
| 1              | 1      | WHITE/ORANGE |
| 2              | 2      | *ORANGE      |
| 3              | 3      | WHITE/GREEN  |
| 4              | 4      | *BLUE        |
| 5              | 5      | WHITE/BLUE   |
| 6              | 6      | *GREEN       |
| 7              | 7      | WHITE/BROWN  |
| 8              | 8      | *BROWN       |

\* A WHITE MARKING IS OPTIONAL

| ITEM NO.   | L(FT) | TOLERANCE(IN) |
|------------|-------|---------------|
| ICPCSK01XX | 1     | +1.5<br>-0    |
| ICPCSK03XX | 3     | +1.5<br>-0    |
| ICPCSK05XX | 5     | +2<br>-0      |
| ICPCSK07XX | 7     | +2<br>-0      |
| ICPCSK10XX | 10    | +3<br>-0      |
| ICPCSK14XX | 14    | +3<br>-0      |
| ICPCSK25XX | 25    | +4<br>-0      |

| CATEGORY 6 CONNECTING HARDWARE REQUIREMENTS |      |      |      |      |      |      |      |       |      |       |       |       |  |
|---|------|------|------|------|------|------|------|-------|------|-------|-------|-------|--|
| FREQUENCY (MHz)                             | 1.0  | 4.0  | 8.0  | 10.0 | 16.0 | 20.0 | 25.0 | 31.25 | 62.5 | 100.0 | 200.0 | 250.0 |  |
| NEXT LOSS (db)                              | 75.0 | 75.0 | 75.0 | 74.0 | 69.9 | 68.0 | 66.0 | 64.1  | 58.1 | 54.0  | 48.0  | 46.0  |  |
| FEXT LOSS (db)                              | 75.0 | 71.1 | 65.0 | 63.1 | 59.0 | 57.1 | 55.1 | 53.2  | 47.2 | 43.1  | 37.1  | 35.1  |  |
| RETURN LOSS (db)                            | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0  | 28.1 | 24.0  | 18.0  | 16.0  |  |
| INSERTION LOSS (db)                         | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11  | 0.16 | 0.20  | 0.28  | 0.32  |  |

UL US FILE NO. 125268

## **PATCH CORD, CAT 6, MOLDED BOOT**

ITEM NO. SEE DETAIL ABOVE

REV. B

DWG NO. PSPCSK0000

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