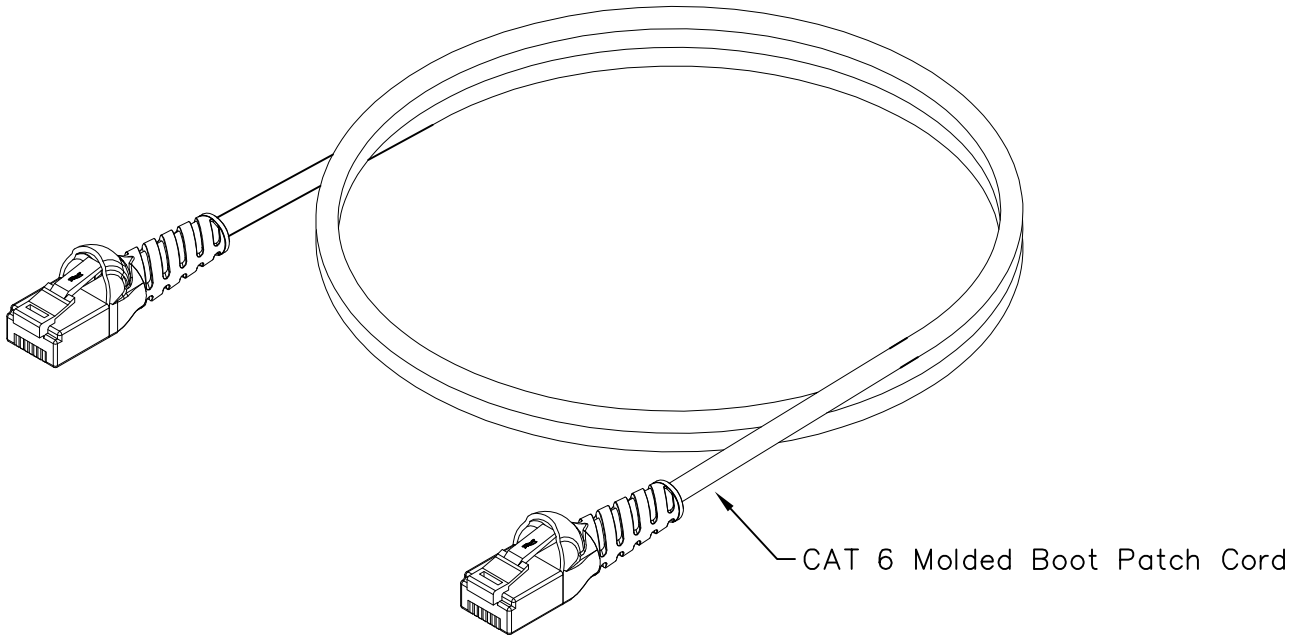


# Category 6 Molded Boot Patch Cord

## PRODUCT SPECIFICATION

### Package includes:

A. CAT 6 Molded Boot Patch Cord, 1 pc



### Features and Benefits:

- 100 % Factory Tested , 50 Micro Inch Gold plated contacts .
- Exceeds ANSI/TIA-568-C requirements for permanent, channel link and component performances.
- 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 1863 compliant 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

ITEM NO. SEE DETAIL ON PAGE 2

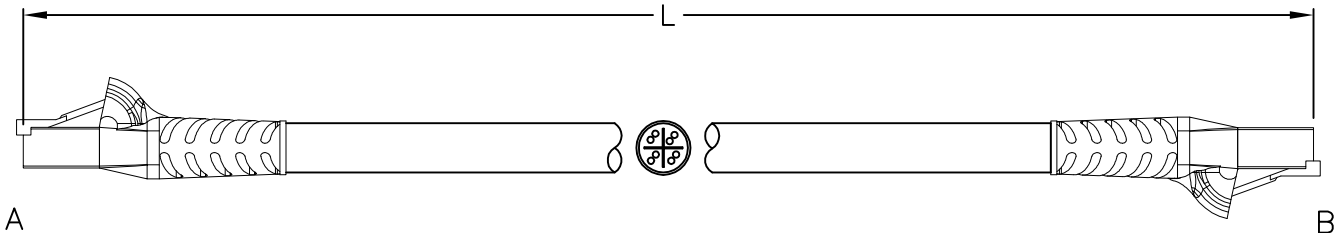
REV. C

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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, MIN 1500V RMS
- D.C. RESISTANCE, MAX 93.2 OHMS/KM @ 20°C
- IMPEDANCE, CHARACTERISTIC, NOM 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 MEGOHMS
- RESISTANCE OF TERMINATION: 35 MILLIOHMS MAX @ -40°C TO 70°C
- DIELECTRIC WITHSTANDING VOLTAGE: 500 VOLTS AC

2. MATERIAL & FINISH:

A. CABLE: CATEGORY 6 PATCH CABLE

B. JACKET: MATERIAL: PVC

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

INSULATION: MATERIAL: HIGH DENSITY POLYETHYLENE

- OVERALL DIAMETER: 0.038"
- AVERAGE THICKNESS: 0.007"

CONDUCTOR: 24 AWG (7X32) UL RATED, BARE COPPER WIRE, STRANDED

PERFORMANCE RATING: CATEGORY 6

C. MODULAR PLUG WITH LOADING BAR: UL AND cUL RECOGNIZED

- HOUSING: POLYCARBONATE, UL94V-0
- COLOR: CLEAR
- CONTACT: PHOSPHOR BRONZE, 0.014 INCH THICK
- GOLD PLATING: 1.27 MICRONS/50 MICRO INCH MIN ON CONTACTS
- NO. OF CONTACTS: 8

3. STRAIN RELIEF BOOT:

A. MATERIAL: 70P PVC

4. MECHANICAL:

- A. CABLE-TO-PLUG TENSILE STRENGTH: 20 LBS [89N] MIN
- B. DURABILITY: 200 MATING CYCLES MIN

5. COLORS: XX: BL-BLUE, BK-BLACK, 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 -0
ICPCSK03XX	3	+1.5 -0
ICPCSK05XX	5	+2 -0
ICPCSK07XX	7	+2 -0
ICPCSK10XX	10	+3 -0
ICPCSK14XX	14	+3 -0
ICPCSK25XX	25	+4 -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

<b>PATCH CORD, CAT 6, MOLDED BOOT</b>			
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DWG NO.	PSPCSK0000		PAGE NO. 2

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