



# Category 6 Patch Cord Cable



The BELLCOMMS RJ45 High Performance Category6 UTP Patch Cable is the perfect performance upgrade. Used to replace any Cat5 cable that fails to support 100 Base-T or Gigabit Ethernet. With RJ45 male-to-male connectors and a snagless molded strain relief.

## Specification :

Application : Supports Voice, 155/622 Mbps ATM, 270 Mbps digital video, 4/16 Mbps Token Ring, 100 Mbps TP-PMD, Supports 10BASE-T Ethernet, 100BASE-TX Fast Ethernet, Supports 1000BASE-T Gigabit Ethernet, and Broadband video, 100mbps TPDDI, ISDN Broadband video, ISDN

## Advantages :

- Perfect in conjunction with 100 Base-T and Gigabit Ethernet networks.
- 50 micron gold plated connectors to ensure a clean and clear transmission.
- Snagless molds protect the RJ45 tap from being damaged during installation.
- Capable of improving the return loss in your current network by 40%.
- Backed by Belkin Lifetime Warranty.
- Exceeds the performance requirement of Category6. PowerSum tested.
- Internal load bar assures accurate positioning of pairs and consistent high Performance.
- 2-row staggered pin configuration to control cross-talk at hyper-frequency.

## BELLCOMMS Patch Cord Cable meet the following standard. :

- IEC 754-part2 2.H band on pH and conductivity Measurements.
- IEC 7034 part 2, Smoke Emissions
- IEC 332 part 1, Flammability and Fire Retardant
- NES 713, Toxicity Index.
- ISO/IEC 11801, TIA/EIA 568-B

## Electrical Characteristics :

|                       |                                  |
|-----------------------|----------------------------------|
| Dielectric Strength   | : 1,000V RMS at 60Hz for 1minute |
| Voltage rating        | : 150 VAC maximum                |
| Current Rating        | : 1.5 Amp maximum                |
| Insulation Resistance | : 500M-Ohm minimum               |
| Contact Resistance    | : 10m. Ohm minimum               |

## Mechanical Characteristics :

|                  |  |
|------------------|--|
| Cable Gauge      | : 24 AWG 7/32 Stranded wire bare copper with PE insulation, CMR fire rated |
| Pair Count       | : 4 pair individually colour coded with filler and PVC jacket              |
| Sequence         | : Wiring sequences in 568 A & B  |
| Durability       | : 1000 mating cycles   |
| RJ45 Plug        | : Polycarbonate, FCC Part68 Subpart F, UL 94C-0                            |
| Plug Boot        | : PVC  |
| Contact Material | : Phosphor bronze with 50 micro-inches gold over 100 micro-inches nickel   |

## Technical Specifications :

| Parameter      | Value | Proposed Cat6 |
|----------------|-------|---------------|
|                | -dB   | -dB           |
| NEXT           | 55.1  | 54.0          |
| Power sum NEXT | 52.0  | 50.0          |
| FEXT           | 49.8  | 43.1          |
| Power sum FEXT | 46.9  | 40.1          |
| Attenuation    | 0.1   | 0.2           |
| Return Loss    | 27.0  | 23.0          |

| PART NO.  | DESCRIPTION           | LENGTH     |             |
|-----------|-----------------------|------------|-------------|
| C64002-XX | CAT6 Patch Cord Cable | 1.0 meter  | XX          |
| C64003-XX | CAT6 Patch Cord Cable | 1.5 meters | BL = BLUE   |
| C64004-XX | CAT6 Patch Cord Cable | 2.0 meters | RD = RED    |
| C64005-XX | CAT6 Patch Cord Cable | 3.0 meters | GN = GREEN  |
| C64006-XX | CAT6 Patch Cord Cable | 5.0 meters | YL = YELLOW |
| C64007-XX | CAT6 Patch Cord Cable | 10 meters  | WH= WHITE   |