

## APPLICATION

Cat5e network patch cord is terminated with RJ45 connectors and supports 10Base-T, 100Base-T and 1000Base-T. This cable is the cost-effective solution for data center applications. Design for computers, hubs, switches, routers, DSL/cable modems and patch panels in Gigabit datacenter applications.



## SPECIFICATION

### Product Type

|                    |                                        |
|--------------------|----------------------------------------|
| Shielding Type     | Unshielded (UTP)                       |
| Termination End    | 8P8C RJ45 connector both end           |
| Reference Standard | TIA/EIA-568B.2-1;ISO/IEO 11801;NEC/CEC |

### Conductor

|                |                                 |
|----------------|---------------------------------|
| Material       | CCA (20% copper + 80% aluminum) |
| Conductor Dia. | 7/0.16mm Stranded               |
| Wire gauge     | 26AWG                           |

### Insulation

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| Material       | HDPE                                                                       |
| Diameter       | 0.9+/-0.05mm                                                               |
| Color(4 Pairs) | Orange,white/orange; green,white/green; blue,white/blue; brown,white/brown |

### Jacket

|          |                                               |
|----------|-----------------------------------------------|
| Material | PVC                                           |
| Diameter | 5.2+/-0.05mm                                  |
| Color    | Blue/Black/Gray/Red/Green/Yellow/White/Purple |

### Mechanical Characteristics

|                          |                          |
|--------------------------|--------------------------|
| Installation Temperature | 0°C to +65°C             |
| Operating temperature    | -10°C to +70°C           |
| Retention                | 50 N (11 lbf) for 60±5 s |
| Tensile strength         | ≥ 20 N per wire          |
| Mating cycle life        | Min 750 cycles           |
| Minimum bend radius      | 4 outer cable diameters  |

### General

|                    |                                      |
|--------------------|--------------------------------------|
| Standard Bandwidth | 100MHz                               |
| Length             | 0.3m - 50m or As per requested       |
| Package            | Inner with PE Bag, outer with carton |
| Rip Cord           | Yes                                  |
| Drain Wire         | No                                   |