

## Category 6 Solid Patch Cords, PVC



Category 6 UTP Patch cords are manufactured using high quality un-shielded 4 Pair Solid cable and features cable strain relief boot with plug latch protection cap. These high performance components available in broad range of lengths. They are designed to meet or exceed Cat6 specifications. Conductors are securely mated with unshielded RJ45 plug design to deliver superior performance

### Features

- Comply IEC 61156-6 Standard
- Quality 23 AWG Standard flexible cable
- High Grade 50m Gold Plated RJ45 connectors
- Injection Molded boot/Strain Relief Boot for improved performance
- Soft Latch-cover design for easy depression
- RoHS Compliant
- UL Listed & ETL Verified

### Mechanical Specifications

|                      |                     |
|----------------------|---------------------|
| Conductor AWG        | : 23                |
| Cable Diameter       | : 4.80 ±0.3mm       |
| Conductor Material   | : Solid Bare Copper |
| Type of Cable        | : U/UTP             |
| Number of Pairs      | : 4                 |
| Application          | : Indoor            |
| Insulation Diameter  | : 0.95 ±0.05mm      |
| Insulation Material  | : Polyethylene      |
| Insulation Thickness | : 0.16mm            |
| Jacket Type          | : PVC               |
| Jacket thickness     | : 0.6±0.02mm        |
| Jacket color         | : Grey              |

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## Electrical Specifications

|                         |                      |
|-------------------------|----------------------|
| Conductor DC Resistance | : 110Ω / 100m        |
| Resistance Unbalance    | : 5% Max             |
| Mutual Capacitance      | : 5.6nF/100 mtrs Max |
| Impedance               | : 100 ± 15%          |
| Frequency               | : 250MHz             |
| Maximum Insertion Loss  | : 39.4               |
| Minimum NEXT            | : 37.6-38.8          |
| Minimum Return loss     | : 14                 |
| Minimum ACR-F           | : 19.8               |
| Minimum PSNEXT          | : 36.3               |
| Minimum PSACRF          | : 16.8               |
| Propagation Delay       | : 536                |
| Delay Skew              | : 45ns/100m          |

## Environmental Specifications

|                          |                  |
|--------------------------|------------------|
| Installation Temperature | : 0°C to 50°C    |
| Storage Temperature      | : -20°C to +70°C |
| Operating Temperature    | : -10°C to +60°C |

## Regulatory Compliances/Certifications

- ETL Verified
- UL Verified
- RoHS Certified

## Ordering Information

| Partcode   | Description   |
|------------|---|
| 30255-XXXX | High Speed Gigabit 23AWG UTP Solid Patch Cord, Grey, PVC, C6            |
| 30256-XXXX | High Speed Gigabit 23AWG UTP Single End Solid Patch Cord, Grey, PVC, C6 |
|            | XXXX= Length in Decimeter   |