

## CATEGORY 6 PATCH CORD CABLE(P6009G)

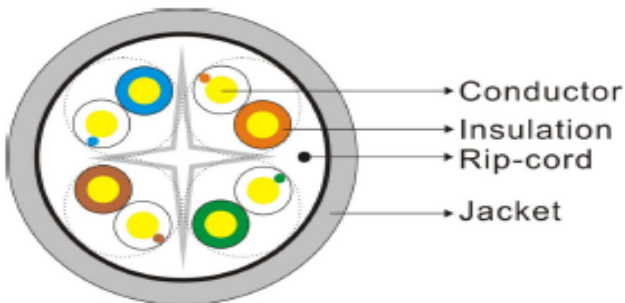
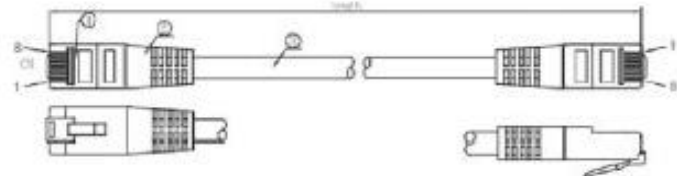
### General Features

- Available in 8 circuits (4 twisted pairs)
- Standard wires colours: Blue/Blue-white, Orange/Orange-white, Green/Green-white and Brown/Brown-white
- Available with/without shielding(UTP)
- Solid wire (AWG 24,7/0.2BC)
- HDPE insulator
- PVC jacket
- Frequency:Maximun 250MHz
- Operating temperature:-20°C to +75°C
- Lengths: 0.9m
- Connector Type:RJ45(8/8)
- Extreme termination 1:Modular plug
- Extreme termination 2: Modular plug
- Connection:568B



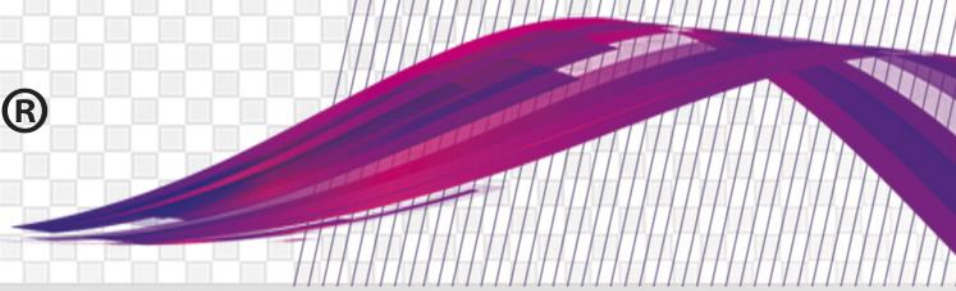
### Electrical Features

- DC-Loop resistance:  $\leq 0.0658\Omega/m$
- Propagation speed:0.64
- Propagation delay:4.80-5.30 ns/m
- Delay skew < 100MHz <0.20 ns/m
- Capacitance:f.f.s
- Return Loss(Min.at 250MHz):15.60 dB
- Attenuation:(Min.at 250MHz):39.40 dB
- Meet EIA/TIA 568 B.2,EN 50173-1,ISO/IEC 11801



### PIN OUT

| CN1(568B)      |   | CN2(568B)      |
|----------------|---|----------------|
| WHITE/ORANGE 1 | ↔ | 1 WHITE/ORANGE |
| ORANGE 2       | ↔ | 2 ORANGE       |
| WHITE/GREEN 3  | ↔ | 3 WHITE/GREEN  |
| GREEN 6        | ↔ | 6 GREEN        |
| BLUE 4         | ↔ | 4 BLUE         |
| WHITE/BLUE 5   | ↔ | 5 WHITE/BLUE   |
| WHITE/BROWN 7  | ↔ | 7 WHITE/BROWN  |
| BROWN 8        | ↔ | 8 BROWN        |



| TRANSMISSION SPECIFICATIONS |                               |                        |                              |                                      |                      |                 |                               |           |
|-----------------------------|-------------------------------|------------------------|------------------------------|--------------------------------------|----------------------|-----------------|-------------------------------|-----------|
| Frequency(MHz)              | Attenuation(Max)<br>(dB/100m) | NEXT(Min)<br>(dB/100m) | PSNEXT<br>(Min)<br>(dB/100m) | ELFEX<br>T<br>(Min)<br>(dB/100<br>m) | PS<br>ELFEXT(<br>db) | RL(Min)<br>(dB) | Phase delay(Max)<br>(ns/100m) | Delay(ns) |
| 1                           | 2                             | 65                     | 62                           | 64                                   | 61                   | 20              | 570                           | 50        |
| 4                           | 4.1                           | 56                     | 53                           | 52                                   | 49                   | 23              | 552                           | 50        |
| 10                          | 6.5                           | 50                     | 47                           | 44                                   | 41                   | 25              | 545                           | 50        |
| 16                          | 8.2                           | 47                     | 44                           | 40                                   | 36.9                 | 25              | 543                           | 50        |
| 20                          | 9.3                           | 46                     | 43                           | 38                                   | 35                   | 25              | 542                           | 50        |
| 31.25                       | 11.7                          | 43                     | 40                           | 34                                   | 31.1                 | 24              | 540                           | 50        |
| 62.5                        | 17                            | 38                     | 35                           | 28                                   | 25.1                 | 22              | 539                           | 50        |
| 100                         | 22                            | 35                     | 32                           | 24                                   | 21                   | 20              | 538                           | 50        |