

## Datasheet

## Patchkabel U/UTP Cat5e certified, 100% copper



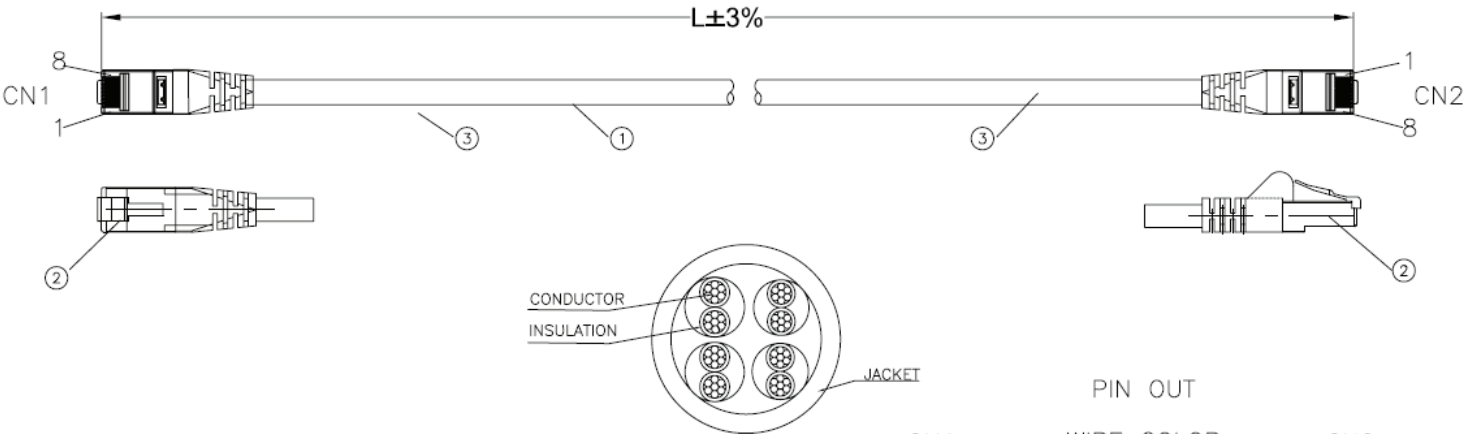
| Length | Grey  | Black | Red   | Yellow | Green | Blue  |
|--------|-------|-------|-------|--------|-------|-------|
| 0,25M  | 24892 | 24895 | 25102 | 24904  | 24908 | 24910 |
| 0,50M  | 11788 | 19067 | 12882 | 21565  | 12880 | 12881 |
| 1,00M  | 11789 | 16823 | 12747 | 16950  | 12746 | 12883 |
| 1,50M  | 14632 | 16701 | 12886 | 15574  | 12884 | 12885 |
| 2,00M  | 14628 | 15579 | 12749 | 15981  | 12748 | 12887 |
| 3,00M  | 13747 | 15570 | 12890 | 15575  | 12888 | 12889 |
| 5,00M  | 13748 | 15572 | 12893 | 15576  | 12891 | 12892 |
| 7,50M  | 24893 | 24896 | 24900 | 25101  | 13751 | 14692 |
| 10,0M  | 11453 | 15573 | 24901 | 20036  | 13752 | 24067 |
| 15,0M  | 13750 | 24897 | 24902 | 24905  | 13753 | 24911 |
| 20,0M  | 11454 | 24898 | 24903 | 24906  | 24909 | 24912 |
| 30,0M  | 11455 | 24899 | 21270 | 24907  | 21271 | 21272 |
| 50,0M  | 24894 |       |       |        |       |       |

### Basic Product Data

|                                  |                         |
|----------------------------------|-------------------------|
| Outer Shielding                  | None                    |
| Inner Shielding                  | None                    |
| Connector                        | RJ45 8P8C PLUG          |
| CMP/CMR                          | CM                      |
| Mutual Capacitance               | 560pF/100m Max          |
| Characteristic Impedance         | 100±15Ω                 |
| Conductor DC Resistance (Ω/100m) | MAX 9.91Ω/100m at 20°C  |
| Voltage (vAC/vDC)                | 300V                    |
| Delay Skew                       | 50ns/100m max. 1~100MHz |
| Propagation Delay                | 555ns/100m max          |
| Nominal Velocity of Propagation  | 69,0%                   |
| Operating Temperature (° C)      | -20° C ~60° C           |
| Storage Temperature (° C)        | -20° C ~60° C           |
| Bend Radius                      | 4D min                  |
| Conductor Materials              | BARE COPPER             |
| Insulation Materials             | HD-PE                   |
| Jacket Materials                 | PVC                     |
| UL Listed                        | Yes                     |

Performance Characteristics

| Frequency (MHz) | Insertion Loss (dB/100m) | NEXT (dB)         |  | PSNEXT (dB)       |  | ELFEXT (dB)       |  | PSELFEXT (dB)     |  | Return Loss (dB)  |  | ACR (dB)          |  | PS ACR (dB)       |  |
|-----------------|--------------------------|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|--|
|                 | Maximum                  | Minimum / Typical |  | Minimum / Typical |  | Minimum / Typical |  | Minimum / Typical |  | Minimum / Typical |  | Minimum / Typical |  | Minimum / Typical |  |
| 1               | 3                        | 60                |  | 57                |  | 57,4              |  | 54,4              |  | 17                |  | 57                |  | 54                |  |
| 4               | 4,5                      | 53,5              |  | 50,5              |  | 45,4              |  | 42,4              |  | 17                |  | 49,1              |  | 46,1              |  |
| 8               | 6,3                      | 48,6              |  | 45,6              |  | 39,3              |  | 36,3              |  | 17                |  | 42,3              |  | 39,3              |  |
| 10              | 7,1                      | 47                |  | 44                |  | 37,4              |  | 34,4              |  | 17                |  | 39,9              |  | 36,9              |  |
| 16              | 9,1                      | 43,6              |  | 40,6              |  | 33,3              |  | 30,3              |  | 17                |  | 34,5              |  | 31,5              |  |
| 20              | 10,2                     | 42                |  | 39                |  | 31,4              |  | 28,4              |  | 17                |  | 31,8              |  | 28,8              |  |
| 25              | 11,4                     | 40,3              |  | 37,3              |  | 29,4              |  | 26,4              |  | 16                |  | 28,9              |  | 25,9              |  |
| 31,25           | 12,9                     | 38,7              |  | 35,7              |  | 27,5              |  | 24,5              |  | 15,1              |  | 25,9              |  | 22,9              |  |
| 62,5            | 18,6                     | 33,6              |  | 30,6              |  | 21,5              |  | 18,5              |  | 12,4              |  | 15                |  | 12                |  |
| 100             | 24                       | 30,1              |  | 27,1              |  | 17,4              |  | 14,4              |  | 10                |  | 6,1               |  | 3,1               |  |



MATERIAL LIST:

| NO. | PARTS NAME     | SPECIFICATION DESCRIPTION                                                     |
|-----|----------------|-------------------------------------------------------------------------------|
| ①   | CABLE          | UTP [26AWG 7*0.145±0.015mm(Bare Copper)*4+PVC<br>OD:4.8±0.3mm COLOR:Any color |
| ②   | RJ45 CONNECTOR | RJ45,8P8C,TWO FORK GOLD PLATED CONTACTS                                       |
| ③   | MOLDING        | MOLDING PVC                                                                   |

