

# Cat6 U/UTP SWA PE TECHNICAL DATA SHEET

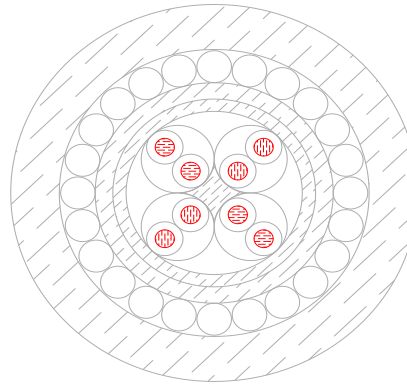
CABLE REFERENCE :CAT6 U/UTP SWA PE

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## CABLE CONSTRUCTION

|                        |                   |  |
|------------------------|-------------------|--|
| <b>Category Type</b>   | CAT6 U/UTP SWA PE |  |
| <b>Test Standard</b>   |                   |  |
| <b>1.Conductor</b>     | Material          | Bare copper  |
|                        | AWG               | 23   |
|                        | Nom.O.D.(mm)      | 0.57±0.01  |
| <b>2.Insulation</b>    | Material          | Solid PE   |
|                        | Diameter          | 1.03(±0.05)mm×2C twist   |
|                        | Color             | Blue; White/Blue, Orange; White/Orange<br>Green; White/Green, Brown; White/Brown |
| <b>3.Filler</b>        | Cross Member      |  |
| <b>4.Rip cord</b>      | Color             | white  |
| <b>5.InnerJacket 1</b> | External O.D.     | 7.1(±0.15)mm   |
|                        | Surface           | Clean,Smooth   |
|                        | Material          | LSZH 6.5mm   |
|                        | Color             | White  |
| <b>6.armor</b>         | Steel Wire        | 0.8±0.1×29   |
| <b>7.Outer Sheath</b>  | External O.D.     | 11.8(±0.3)mm   |
|                        | Surface           | Clean,Smooth   |
|                        | Material          | PE   |
|                        | Color             | BLACK  |



|                  |  |
|------------------|--|
| <b>8.Marking</b> | U/UTP CAT6 4PR LSZH 23AWG SWA PE SOLID ISO/IEC 11801 AND TIA/EIA 568C.2 001M,003M....1000M |
|------------------|--|

|  |                           |          |               |       |            |        |
|--|---------------------------|----------|---------------|-------|------------|--------|
| <b>9.Packing</b>                         | 1000M/strong plywood reel |          |               |       |            |        |
| <b>10. CHARACTERISTICS</b>               | Frequency                 | RL       | Attenuation   | NEXT  | ACR        | ELFEXT |
|  | (MHz)                     | Min.(dB) | Max.(dB/100m) | (dB)  | (dB)       | (dB)   |
|  | 1.000                     | 22.60    | 1.82          | 67.00 | 65.00      | 66.00  |
|  | 4.000                     | 23.10    | 2.10          | 65.00 | 63.00      | 63.8   |
|  | 8.000                     | 23.00    | 4.30          | 56.00 | 51.00      | 51.7   |
|  | 16.00                     | 24.50    | 5.80          | 51.80 | 45.00      | 45.7   |
|  | 25.00                     | 25.00    | 6.60          | 50.00 | 43.00      | 43.8   |
|  | 31.25                     | 25.00    | 8.20          | 47.00 | 37.00      | 39.7   |
|  | 62.50                     | 25.00    | 9.20          | 45.00 | 35.00      | 37.7   |
|  | 100.00                    | 24.20    | 10.23         | 44.30 | 32.00      | 35.8   |
|  | 150.00                    | 23.30    | 11.80         | 43.00 | 29.00      | 33.9   |
|  | 200.00                    | 20.70    | 17.10         | 38.00 | 19.00      | 27.8   |
|  | 250.00                    | 19.24    | 22.00         | 35.00 | 9.00       | 23.8   |
|  | Impedance;                |          |               |       | 100±15 Ohm |        |
| 20°C, Max.Conductor DC Resistance (Ω/Km) |                           |          |               | <81.6 |            |        |
| Rated Temperature(°C)                    |                           |          |               | 60    |            |        |
| Velocity ratio(%)                        |                           |          |               | 65%   |            |        |



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