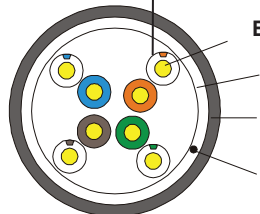


## U/UTP 4Pairs cable - category5E - PE Sheath

P/N: G2301-058

## Content of the Data Sheet

| Content of the Data Sheet        |  |                                          |                    |                        |                                                                                                |            |                                |            |           |            |             |
|----------------------------------|--|------------------------------------------|--------------------|------------------------|------------------------------------------------------------------------------------------------|------------|--------------------------------|------------|-----------|------------|-------------|
| Sheath Printing                  |  | TBD                                      |                    |                        |                                                                                                |            |                                |            |           |            |             |
| Customer No.                     |  |                                          | Customer Reference |                        | <div></div> |            |                                |            |           |            |             |
| Category                         |  | U/UTP CAT5E-4P-PE                        |                    |                        |                                                                                                |            |                                |            |           |            |             |
| Reference Standard               |  | ISO/IEC11801、TIA-568-C.2                 |                    |                        |                                                                                                |            |                                |            |           |            |             |
| Conductor                        |  | Material                                 |                    | Solid-Bare Copper      |                                                                                                |            |                                |            |           |            |             |
|                                  |  | Nom.O.D.(mm)                             |                    | 0.500                  |                                                                                                |            |                                |            |           |            | up          |
|                                  |  |                                          |                    | down                   | -0.005                                                                                         |            |                                |            |           |            |             |
| Insulation                       |  | Material                                 |                    | HDPE                   |                                                                                                |            |                                |            |           |            |             |
|                                  |  | Diameter                                 |                    | 0.88±0.05mm            |                                                                                                |            |                                |            |           |            |             |
| Sheath                           |  | Thickness                                |                    | 0.55±0.05 mm           |                                                                                                |            | Technical Performance (100m) : |            |           |            |             |
|                                  |  | External O.D.                            |                    | 5.2±0.4 mm             |                                                                                                |            | Frequency                      | RL         | ATT (20℃) | NEXT       | PHASE DELAY |
|                                  |  | Surface                                  |                    | Clean,Frap,Satiation   |                                                                                                |            | (MHz)                          | ≥dB        | ≤dB       | ≥dB        | ≤ns         |
|                                  |  | Material                                 |                    | LDPE(complies RoHS)    |                                                                                                |            | 1                              | 20.0       | 2.0       | 65.3       | 570.00      |
|                                  |  | Color                                    |                    | Black                  |                                                                                                |            | 4.0                            | 23.0       | 4.1       | 56.3       | 552.00      |
| Surface Printing                 |  | Letter height                            |                    | 3.0±0.3mm              |                                                                                                |            | 8.0                            | 24.5       | 5.8       | 51.8       | 546.73      |
|                                  |  | Color                                    |                    | White                  |                                                                                                |            | 10.0                           | 25.0       | 6.5       | 50.3       | 545.38      |
|                                  |  | Print error & Space                      |                    | ≤±0.5%, 1m             |                                                                                                |            | 16.0                           | 25.0       | 8.2       | 47.2       | 543.00      |
|                                  |  |                                          |                    |                        |                                                                                                |            | 20.0                           | 25.0       | 9.3       | 45.8       | 542.05      |
| Core Color                       |  | 1 White- Blue /Blue                      |                    | 2 White-Orange /Orange |                                                                                                |            | 25.0                           | 24.3       | 10.4      | 44.3       | 541.20      |
|                                  |  | 3 White- Green /Green                    |                    | 4 White- Brown /Brown  |                                                                                                |            | 31.25                          | 23.6       | 11.7      | 42.9       | 540.44      |
| Packing                          |  | Wooden Tray & Carton                     |                    |                        |                                                                                                |            |                                |            |           |            |             |
| Carton dimension                 |  | According to the requires                |                    |                        |                                                                                                |            |                                |            |           |            |             |
| Packing length                   |  | (305±1.5)m                               |                    |                        |                                                                                                |            |                                |            |           |            |             |
| Rip-cord                         |  | Yes                                      |                    | Drain wire             |                                                                                                | No         |                                | Frequency  | PSNEXT    | ELFEXT     | PSELFEXT    |
| Sheath Physical Properties       |  | Before Aging                             |                    | Tensile Strength (Mpa) |                                                                                                | ≥10.0      |                                | (MHz)      | ≥dB       | ≥dB        | ≥dB         |
|                                  |  |                                          |                    | Elongation(%)          |                                                                                                | ≥350       |                                | 1          | 62.3      | 63.8       | 60.8        |
|                                  |  | Aging Period(℃×hrs)                      |                    | 100℃×24h×10d           |                                                                                                | 4          | 53.3                           | 51.8       | 48.8      |            |             |
|                                  |  | After Aging                              |                    | Elongation(%)          |                                                                                                | ≥300       |                                | 8          | 48.8      | 45.7       | 42.7        |
|                                  |  |                                          |                    |                        |                                                                                                | 10         | 47.3                           | 43.8       | 40.8      |            |             |
|                                  |  |                                          |                    |                        |                                                                                                | 16         | 44.4                           | 39.7       | 36.7      |            |             |
| Electrical Characteristics (20℃) |  | 1.0-100.0MHz                             |                    | Impedance(Ω)           |                                                                                                | 100±15     |                                | 20         | 42.8      | 37.8       | 34.8        |
|                                  |  | 1.0-100.0MHz                             |                    | Delay Skew (ns/100m)   |                                                                                                | ≤45        |                                | 25         | 41.3      | 35.8       | 32.8        |
|                                  |  | DC ResistanceΩ/100m) max                 |                    | 9.5                    |                                                                                                | 31.25      | 39.9                           | 33.9       | 30.9      |            |             |
|                                  |  | DC Conductor Resistance Unbalance(%) max |                    | 5.0                    |                                                                                                | 62.5       | 35.4                           | 27.9       | 24.9      |            |             |
| Version                          |  | A/01                                     |                    | Date                   |                                                                                                | 2017-08-25 |                                | Revised By |           | Caihanglie |             |
| Audited By                       |  | Nidonghua                                |                    | Approved By            |                                                                                                | Nidonghua  |                                |            |           |            |             |

[illegible]