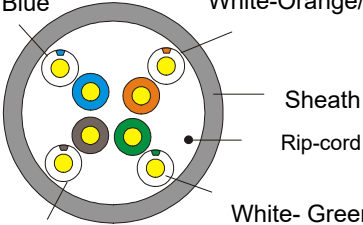


U/UTP 4Pairs cable-category5E-LSZH Sheath

P/N: LG2301-002

Content of the Data Sheet

| Content of the Data Sheet         |      |                                                       |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
|-----------------------------------|------|-------------------------------------------------------|--------------------|------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|-----------|-----------------|
| Sheath Printing                   |      | TBD                                                   |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
| Customer No.                      |      |                                                       | Customer Reference |                        |            | <div>White-Blue /Blue</div> <div>White-Orange/Orange</div> <div>Sheath</div> <div>Rip-cord</div> <div>White- Brown /Brown</div> <div>White- Green /Green</div>  |           |             |           |                 |
| Category                          |      | U/UTP CAT5E-4P- LSZH                                  |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
| 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                                             |                    | 0.50±0.05 mm           |            | Technical Performance(100m) :                                                                                                                                                                                                                      |           |             |           |                 |
|                                   |      | External O.D.                                         |                    | 5.0±0.4 mm             |            | Frequency (MHz)                                                                                                                                                                                                                                    | RL ≥dB    | ATT ≤dB     | NEXT ≥dB  | Phase DELAY ≤ns |
|                                   |      | Surface                                               |                    | Clean, Frap, Satiation |            | 1                                                                                                                                                                                                                                                  | 20.0      | 2.0         | 65.3      | 570.00          |
|                                   |      | Material                                              |                    | LSZH(complies RoHS)    |            | 4.0                                                                                                                                                                                                                                                | 23.0      | 4.1         | 56.3      | 552.00          |
|                                   |      | Color                                                 |                    | TBD                    |            | 8.0                                                                                                                                                                                                                                                | 24.5      | 5.8         | 51.8      | 546.73          |
| Surface Printing                  |      | Letter height                                         |                    | 3.0±0.3mm              |            | 10.0                                                                                                                                                                                                                                               | 25.0      | 6.5         | 50.3      | 545.38          |
|                                   |      | Color                                                 |                    | Black                  |            | 16.0                                                                                                                                                                                                                                               | 25.0      | 8.2         | 47.2      | 543.00          |
|                                   |      | Print error & Space                                   |                    | ≤±0.5%, 1m             |            | 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                                  |                    |                        |            | 62.5                                                                                                                                                                                                                                               | 21.5      | 17.0        | 38.4      | 538.55          |
| Carton dimension                  |      | According to the requires                             |                    |                        |            | 100                                                                                                                                                                                                                                                | 20.1      | 22.0        | 35.3      | 537.60          |
| Packing length                    |      | (305±1.5)m                                            |                    |                        |            | Frequency PSNEXT (MHz) ≥dB                                                                                                                                                                                                                         |           |             |           |                 |
| Rip-cord                          |      | Yes                                                   |                    | Drain wire             |            | No                                                                                                                                                                                                                                                 |           | ELFEXT ≥dB  |           |                 |
| Sheath Physical Properties        |      | Before Aging Tensile Strength (Mpa) ≥10.0             |                    |                        |            | PSELFEXT ≥dB                                                                                                                                                                                                                                       |           |             |           |                 |
|                                   |      | Elongation(%) ≥125                                    |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
|                                   |      | Aging Period(°C×hrs) 100°C×24h×7d                     |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
|                                   |      | After Aging Tensile Strength(Mpa) ≥8.0                |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
|                                   |      | Elongation(%) ≥100                                    |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
| Electrical Characteristics (20°C) |      | Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
|                                   |      | 1.0-100.0MHz Impedance(Ω) 100±15                      |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
|                                   |      | 1.0-100.0MHz Delay Skew (ns/100m) ≤45                 |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
|                                   |      | DC Resistance (Ω/100m) max 9.38                       |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
|                                   |      | DC Conductor Resistance Unbalance(%) max 5.0          |                    |                        |            |                                                                                                                                                                                                                                                    |           |             |           |                 |
| Version                           | A/01 | Date                                                  | 2017-08-25         | Revised By             | Caihanglie | Audited By                                                                                                                                                                                                                                         | Nidonghua | Approved By | Nidonghua |                 |

| Number | Revise Contents         | Revise Reasons | Revised By | Audited By | Approved By | Date       |
|--------|-------------------------|----------------|------------|------------|-------------|------------|
| A/01   | Specification Version 1 |                | Caihanglie | Nidonghua  | Nidonghua   | 2017-08-25 |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |
|        |                         |                |            |            |             |            |