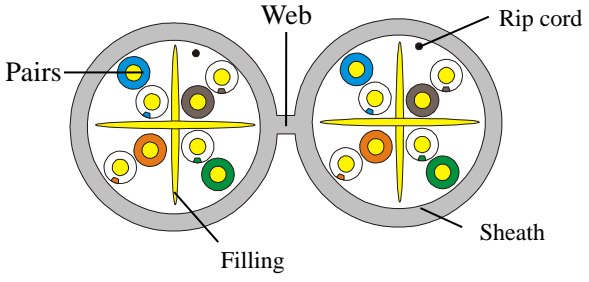


DUPLEX U/UTP 4 pairs cable - category 6 -LSZH Sheath

P/N: G2404-031

| Content of the Data Sheet | | | | | | |
|--|--|--|---------------------------------|------------|-------------------------------|--|
| Sheath Printing | TBD | | | | | |
| Customer No. | | Customer Reference | | | | |
| Category | DUPLEX U/UTP -CAT6-4P-LSZH(Dca,s2,d2,a1) | | | | | |
| Reference Standard | ISO/IEC11801、TIA-568-C.2 | | | | | |
| 1. Conductor | Material | SOLID-Bare Copper | | | | |
| | Nom. O.D. (mm) | 0.550 | Up | +0.005 | | |
| | | | Down | -0.005 | | |
| 2. Insulation | Material | HDPE | | | | |
| | Diameter | 0.95±0.05mm | | | | |
| Color | A.Blue, White-Blue | B.Orange,White-Orange | | | | |
| | C.Green,White-Green | D.Brown, White-Brown | | | | |
| 3. Rip-cord | Yes | Drain wire | No | | | |
| 4. Sheath | Thickness | 0.55±0.05 mm | | | | |
| | External O.D. | (6.2/13.4)±0.5mm | | | | |
| | Surface | Clean,Frap,Satiation | | | | |
| | Material | LSZH(complies RoHS) | | | | |
| | Color | TBD | | | | |
| Surface Printing | Letter height | 3.0±0.3mm | | | | |
| | Color | Black | | | | |
| | Print error & Space | ≤±0.5%, 1m | | | | |
| Packing | Drum in Carton | | | | Technical Performance (100m): | |
| Carton dimension | --- | | | | Frequency (MHz) | |
| Packing length | 305±1.5m | | | | RL ≥dB | |
| Sheath Physical Properties | Before Aging | Tensile Strength (Mpa) | ≥10.0 | | | |
| | | Elongation (%) | ≥125 | | | |
| | Aging Period (°C×hrs) | 100°C×24h×7d | | | | |
| | After Aging | Tensile Strength (Mpa) | ≥8.0 | | | |
| | | Elongation (%) | ≥100 | | | |
| | Cold bend(-20±2°C×4h) | | 8×Cable O.D., No visible cracks | | | |
| | Electrical Characteristics (20°C) | 1.0-250.0MHz, Characteristic impedance (Ω) | | 100±15 | | |
| | | 1.0-250.0MHz, Delay Skew 20°C(ns/100m) | | ≤45 | | |
| DC Resistance 20°C(Ω/100m) max | | 9.5 | | | | |
| DC Conductor Resistance Unbalance (%)max | | 5.0 | | | | |
|  | | | | | | |
| | | | | | ATT(20°C) ≤dB | |
| | | | | | NEXT ≥dB | |
| | | | | | PHASE DELAY ≤ns | |
| | | | | | 1 20.0 2.03 74.3 570.00 | |
| | | | | | 4.0 23.0 3.78 65.3 552.00 | |
| | | | | | 8.0 24.5 5.32 60.8 546.73 | |
| | | | | | 10.0 25.0 5.95 59.3 545.38 | |
| | | | | | 16.0 25.0 7.55 56.2 543.00 | |
| | | | | | 20.0 25.0 8.47 54.8 542.05 | |
| | | | | | 25.0 24.3 9.51 53.3 541.20 | |
| | | | | | 31.25 23.6 10.67 51.9 540.44 | |
| | | | | | 62.5 21.5 15.38 47.7 538.55 | |
| | | | | | 100 20.1 19.80 44.3 537.60 | |
| | | | | | 200 18.0 28.98 39.8 536.54 | |
| | | | | | 250 17.3 32.85 38.3 536.27 | |
| | | | | | Frequency (MHz) | |
| | | | | | PSNEXT ≥dB | |
| | | | | | ELFEXT ≥dB | |
| | | | | | PSELFEXT ≥dB | |
| | | | | | 1 72.3 67.8 64.8 | |
| | | | | | 4 63.3 55.8 52.8 | |
| | | | | | 8 58.8 49.7 46.7 | |
| | | | | | 10 57.3 47.8 44.8 | |
| | | | | | 16 54.2 43.7 40.7 | |
| | | | | | 20 52.8 41.8 38.8 | |
| | | | | | 25 51.3 39.8 36.8 | |
| | | | | | 31.25 49.9 37.9 34.9 | |
| | | | | | 62.5 45.4 31.9 28.9 | |
| | | | | | 100 42.3 27.8 24.8 | |
| | | | | | 200 37.8 21.8 18.8 | |
| | | | | | 250 36.3 19.8 16.8 | |
| Reaction to fire Classification: Dca-s2,d2,a1 | | | | | | |
| Version | A/01 | Date | 2019-04-29 | Revised By | Caihangle | |
| 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 | 2019-04-29 |
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