**Product Specification**

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| ***Specification:***   |  |  |  |  | | --- | --- | --- | --- | | Item | | Unit | Spec. Value | | Conductor | Wire No. | --- | 4P | | Material | --- | Solid Bare Copper | | Construction | No./mm | 0.57±0.02 | | Insulation | Material | --- | PE | | Diameter | mm | 1.16±0.05 | | Color | --- | 1.Blue&White Blue 2.Orange&White Orange  3.Green&White Green 4.Brown&White Brown | | Seperator | --- | / | Yes | | Tape Wrap | Spec | mm | PET 100％Coverage | | Foil Shield | Spec | mm | AL-Mylar 100％Coverage | | Drain Wire | Material | --- | Tinned copper | | Spec | mm | 0.4±0.05 | | Rip cord | --- | / | Yes | | Jacket | Material | --- | PVC | | Color | --- | Assorted upon request | | Thickness | mm | 0.55±0.1 | | Diameter | mm | 7.8±0.5 |   **Sketch:**  **Application:**  1: Material : Comply RoHS  **Mechaniacl Specification：**   |  |  | | --- | --- | | Conductor Elongation | ≥10％ | | Insulation Tensile Strength | ≥16.5Mpa | | Insulation Elongation | ≥300％ | | Jacket Tensile Strength | ≥13.8Mpa | | Jacket Elongation | ≥100％ |   **Electrical Specifications:**   |  |  | | --- | --- | | Impedance | 100±15Ω（1.0-100Mhz） | | 100±22Ω（1.0-250Mhz） | | Conductor Resistance @20°C | Max.9.38Ω/100m | | DC Resistance Unbalance | Max.5％ | | Insulation Resistance | Min. 5000 MΩ\*Km | | Delay Skew | Max.45ns/100m |   **High Frequency Electrical Performance:(100m at 20℃)**   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Frequency（MHz） | ATT (≤dB) | NEXT (≥dB) | PSNEXT (≥dB) | ELFEXT (≥dB) | PS ELFEXT (≥dB) | RL (≥dB) | Spread out 100m cable and test it | | 1.00 | 2.0 | 74.3 | 72.3 | 67.8 | 64.8 | 20.0 | | 4.00 | 3.8 | 65.3 | 63.3 | 55.8 | 52.8 | 23.0 | | 8.00 | 5.3 | 60.8 | 58.8 | 49.7 | 46.7 | 24.5 | | 10.00 | 6.0 | 59.3 | 57.3 | 47.8 | 44.8 | 25.0 | | 16.00 | 7.6 | 56.2 | 54.2 | 43.7 | 40.7 | 25.0 | | 20.00 | 8.5 | 54.8 | 52.8 | 41.8 | 38.8 | 25.0 | | 25.00 | 9.5 | 53.3 | 51.3 | 39.8 | 36.8 | 24.3 | | 31.25 | 10.7 | 51.9 | 49.9 | 37.9 | 34.9 | 23.6 | | 62.50 | 15.4 | 47.4 | 45.4 | 31.9 | 28.9 | 21.5 | | 100.00 | 19.8 | 44.3 | 42.3 | 27.8 | 24.8 | 20.1 | | 200.00 | 29.0 | 39.8 | 37.8 | 21.8 | 18.8 | 18.0 | | 250.00 | 32.8 | 38.3 | 36.3 | 19.8 | 16.8 | 17.3 | |