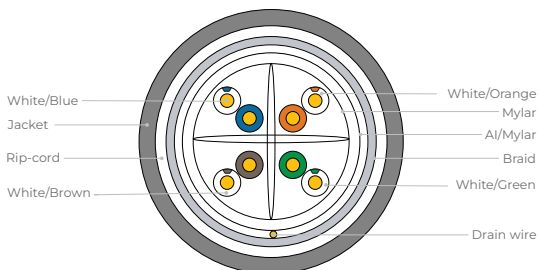


## SF/UTP 4Pairs Cable-Category 6-LSZH Sheath

Reference Standard- ISO/IEC11801,TIA/-568-C.2



### Electrical Characteristics (20°C)

|                                                |                          |                       |
|------------------------------------------------|--------------------------|-----------------------|
| Impedance ( $\Omega$ )                         | 1.0-250.0MHz             | 100 $\pm$ 15 $\Omega$ |
| 1.0-250.0MHz                                   | Delay Skew 20°C(ns/100m) | $\leq$ 45             |
| Unbalanced-to-ground capacitance (pf/100m) max |                          | 330                   |
| DC Resistance( $\Omega$ /100m) max             |                          | 9.38                  |
| DC Conductor Resistance Unbalance (%) max      |                          | 5.0                   |

### Technical Specifications

|                                |                                 |                        |                                 |        |
|--------------------------------|---------------------------------|------------------------|---------------------------------|--------|
| Conductor                      | Material                        | SOLID-Bare Copper      |                                 |        |
|                                | Nom.O.D.(mm)                    | 0.565                  | Up                              | +0.005 |
|                                |                                 |                        | Down                            | -0.005 |
| Insulation                     | Material                        | HDPE                   |                                 |        |
|                                | Diameter                        | 1.12±0.05 mm           |                                 |        |
| Color                          | 1 White- Blue /Blue             | 2 White-Orange /Orange |                                 |        |
|                                | 3 White- Green /Green           | 4 White- Brown /Brown  |                                 |        |
| Inner Screening Material       | Mylar+AL/Mylar                  | Drain wire             | Yes                             |        |
| Outer Screening Material       | Aluminum-magnesium alloy 0.12mm | Coverage               | ≥40%                            |        |
| Outer Sheath                   | Thickness                       | 0.6±0.05 mm            |                                 |        |
|                                | External O.D.                   | 7.8±0.4 mm             |                                 |        |
|                                | 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                        | Wooden Tray & Carton            |                        |                                 |        |
| Wooden Tray dimension          | According to the requires       |                        |                                 |        |
| Packing length                 | 305±1.5m                        |                        |                                 |        |
| Rip-cord                       | Yes                             |                        |                                 |        |
| Out Jacket Physical Properties | Before Aging                    | Tensile Strength (Mpa) | ≥13.5                           |        |
|                                |                                 | Elongation (%)         | ≥150                            |        |
|                                | Aging Period (°C X hrs)         |                        | 100°C×24h×7d                    |        |
|                                | After Aging                     | Tensile Strength (Mpa) | ≥12.5                           |        |
|                                |                                 | Elongation (%)         | ≥125                            |        |
|                                | Cold Bend (-20 ± 2°C X 4h)      |                        | 8×Cable O.D., No visible cracks |        |



## SF/UTP 4Pairs Cable-Category 6-LSZH Sheath

Reference Standard- ISO/IEC11801,TIA/-568-C.2

### Technical Performance (100m)

| Frequency (MHz) | RL (≥ dB) | ATT (≤ dB) | NEXT (≥ dB) | Phase Delay (≤ ns) | PSNEXT (≥ dB) | ELFEXT (≥ dB) | PSELFEXT (≥ dB) |
|-----------------|-----------|------------|-------------|--------------------|---------------|---------------|-----------------|
| 1               | 20.0      | ---        | 74.3        | 570.0              | 72.3          | 67.8          | 64.8            |
| 4               | 23.0      | 3.8        | 65.3        | 552.0              | 63.3          | 55.8          | 52.8            |
| 8               | 24.5      | 5.3        | 60.8        | 546.7              | 58.8          | 55.8          | 46.7            |
| 10              | 25.0      | 5.9        | 59.3        | 545.4              | 57.3          | 47.8          | 44.8            |
| 16              | 25.0      | 7.5        | 56.2        | 543.0              | 54.2          | 43.7          | 40.7            |
| 20              | 25.0      | 8.4        | 54.8        | 542.1              | 52.8          | 41.8          | 38.8            |
| 25              | 24.3      | 9.5        | 53.3        | 541.2              | 51.3          | 39.8          | 36.8            |
| 31.25           | 23.6      | 10.6       | 51.9        | 540.4              | 49.9          | 37.9          | 34.9            |
| 62.5            | 21.5      | 15.3       | 47.7        | 538.6              | 45.4          | 31.9          | 28.9            |
| 100             | 20.1      | 19.8       | 44.3        | 537.6              | 42.3          | 27.8          | 24.8            |
| 200             | 18.0      | 28.9       | 39.8        | 536.5              | 37.8          | 21.8          | 18.8            |
| 250             | 17.3      | 32.8       | 38.3        | 536.3              | 36.3          | 19.8          | 16.8            |