

### COPPER CAT. 6 SFTP CABLE

We have a complete structured cabling solution, where our products are manufactured under the UL and ETL standards. We provide to our customers 25 years guarantee on our structured cabling solution.



|                                  |                       |
|----------------------------------|-----------------------|
| <b>Standards</b>                 | ISO/IEC 11801         |
|                                  | TIA/EIA568-C.2        |
| <b>Multi construction</b>        | 4 Pairs (8 cores)     |
| <b>AWG</b>                       | 23                    |
| <b>Conductor Diameter (mm)</b>   | 0.57 ± 0.005          |
| <b>Conductor Material</b>        | Solid Bare Copper     |
| <b>Insulation</b>                | HDPE                  |
| <b>Drain wire</b>                | Tinned Copper         |
| <b>Insulation Diameter</b>       | 1.2 ± 0.02            |
| <b>Ripcord</b>                   | Cotton (Customized)   |
| <b>Jacket</b>                    | PVC / LSZH            |
| <b>Jacket Thickness (mm)</b>     | AVG: 0.6              |
| <b>Outer Diameter (mm)</b>       | 8 ± 0.5               |
| <b>Jacket Color</b>              | Customized            |
| <b>Linear Resistance (100m)</b>  | ≤ 9.5Ω                |
| <b>Mutual Capacity (100m)</b>    | ≤ 5.6nF               |
| <b>Unbalance Capacity (100m)</b> | ≤ 330pF               |
| <b>Velocity of Propagation</b>   | Approx. 65% at 250MHz |
| <b>Bending Radius</b>            | ≥ 10* Diameter        |

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| Performance     |              |                            |                |                  |
|-----------------|--------------|----------------------------|----------------|------------------|
| Frequency (MHz) | RL (dB) min. | Attenuation (dB/100m) max. | NEXT (dB/100m) | PSNEXT (dB/100m) |
| 1               | 20.0         | 2.0                        | 74.3           | 72.3             |
| 4               | 23.0         | 3.8                        | 66.3           | 63.3             |
| 8               | 24.5         | 5.3                        | 61.8           | 58.8             |
| 10              | 25.0         | 6.0                        | 60.3           | 57.3             |
| 16              | 25.0         | 7.6                        | 57.2           | 54.2             |
| 20              | 25.0         | 8.5                        | 55.8           | 52.8             |
| 25              | 24.3         | 9.5                        | 54.3           | 51.3             |
| 31.25           | 23.6         | 10.7                       | 52.9           | 49.9             |
| 62.5            | 21.5         | 15.4                       | 48.4           | 45.4             |
| 100             | 20.1         | 19.8                       | 45.3           | 42.3             |
| 200             | 18.0         | 29.0                       | 40.8           | 37.8             |
| 250             | 17.3         | 32.8                       | 39.3           | 36.3             |

| Frequency (MHz) | ELFEXT (dB) | PSELFEXT (dB/100m) | Impedance (Ohm) |
|-----------------|-------------|--------------------|-----------------|
| 1               | 67.8        | 64.8               | 100 ± 15        |
| 4               | 56          | 53                 |                 |
| 8               | 49.9        | 46.9               |                 |
| 10              | 48          | 45                 |                 |
| 16              | 43.9        | 40.9               |                 |
| 20              | 42          | 39                 |                 |
| 25              | 40          | 37                 |                 |
| 31.25           | 38.1        | 35.1               |                 |
| 62.5            | 32.1        | 29.1               |                 |
| 100             | 28          | 25                 |                 |
| 200             | 22.0        | 19                 |                 |
| 250             | 20          | 17                 |                 |

| ORDERING INFORMATION |          |      |       |   |        |   |            |       |
|----------------------|----------|------|-------|---|--------|---|------------|-------|
| Model                | Category | Type | Color |   | Jacket |   | Length (m) |       |
| LC                   | 5e       | 1    | UUTP  | 1 | Yellow | A | LSZH       | L 500 |
|                      | 6        | 2    | FUTP  | 2 | Blue   | B | PVC        | S 305 |
|                      | 6a       | 3    | UFTP  | 3 | White  |   |            |       |
|                      |          | 4    | FFTP  | 4 | Metal  |   |            |       |
|                      |          | 5    | SUTP  | 5 | Red    |   |            |       |
|                      |          | 6    | SFTP  | 6 | Green  |   |            |       |

| ORDERING INFORMATION EXAMPLE |    |   |   |   |   |
|------------------------------|----|---|---|---|---|
| LC                           | 6a | 6 | 3 | A | S |

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