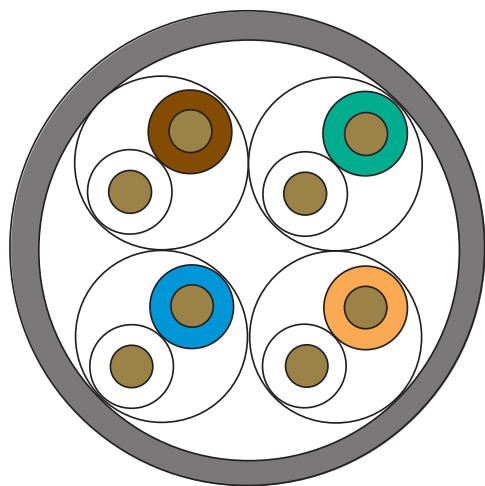


# U-UTP cable 4x2xAWG24

## Cat5e PE black

Item no.: LVN122018



### PRODUCT OVERVIEW

Used in structured cabling systems. To prevent water penetration in the end of the cables apply end sleeves during installation. Suitable for outdoor use. This is currently the most common and basic method of cable construction, consisting of pairs of wires twisted together. There is no shielding, instead the symmetrical twist in the wires create a balanced transmission line, helping to reduce electrical noise and EMI.

### SPECIFICATIONS

|                        |                    |
|------------------------|--------------------|
| Category               | 5e U/UTP           |
| Transmission speed     | 1Gbps              |
| Frequency              | 100 Mhz            |
| Impedance              | 100 +/- 15 Ohm     |
| NVP value              | 69%                |
| EMC Class              | B                  |
| Reaction-to-fire Class | Fca                |
| Number of pairs        | 4                  |
| Conductor              | AWG24 solid copper |
| Conductor insulation   | PE                 |

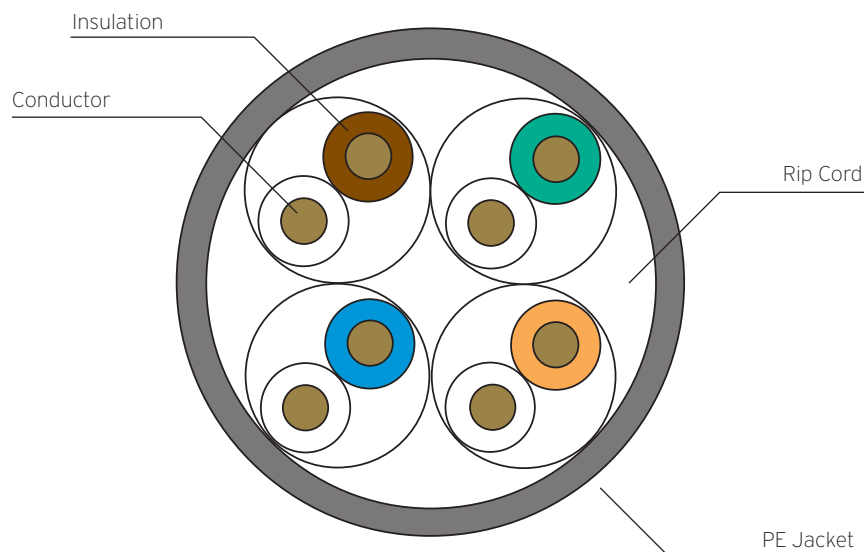
|                 |                                        |
|-----------------|----------------------------------------|
| Jacket material | LSZH PE                                |
| UV resistant    | Yes                                    |
| Cable color     | White                                  |
| Standards       | EIA/TIA 568B, ISO/IEC11801, EN 50173-2 |
| Meter marked    | Yes                                    |
| Packing         | 500m reel                              |



## SPECIFICATIONS

|                                   |                                               |                            |                         |
|-----------------------------------|-----------------------------------------------|----------------------------|-------------------------|
| Category                          | UTP/CAT5e-4P-PE                               |                            |                         |
| Test Standard                     | ISO/IEC-11801, TIA/EIA 568B<br>YD/T 1019-2001 |                            |                         |
| Conductor                         | Material                                      |                            | SOLID-BARE Copper       |
|                                   | Nom. O.D. (mm)                                | 0.50                       | Up +0.005               |
|                                   |                                               |                            | Down -0.005             |
| Insulation                        | Material                                      |                            | HDPE                    |
|                                   | Diameter                                      |                            | 0.88±0.03mm             |
| Color                             | A. Blue, White-Blue                           |                            | B. Orange, White-Orange |
|                                   | C. Green, White-Green                         |                            | D. Brown, White-Brown   |
| Rip-cord                          | Yes                                           | Drainwire                  | No                      |
| Sheath                            | Thickness                                     |                            | 0.50±0.05 mm            |
|                                   | External O.D                                  |                            | 5.4±0.5 mm              |
|                                   | Surface                                       |                            | Clean, Frap, Sations    |
|                                   | Material                                      |                            | CM/LSZH (complies RoHS) |
|                                   | Color                                         |                            | Multiple                |
| Surface Printing                  | Letter height                                 |                            | 3.0±0.3mm               |
|                                   | Color                                         |                            | Black                   |
|                                   | Print error & space                           |                            | ≤±0.5% 1m               |
| Packing                           | Carton, pallet                                |                            |                         |
| Carton dimension                  | 35*35*20cm                                    |                            |                         |
| Packaging length                  | 500 m                                         |                            |                         |
| Sheath Shysical Properties        | Before Aging                                  | Tersile Strength (Mpa) ≥10 |                         |
|                                   |                                               | Elongation(%)              | ≥350                    |
|                                   | Aging Period (°C X hrs)                       |                            | 100°C X 24h X 7d        |
|                                   | After Aging                                   | Elongation(%)              | ≥300                    |
|                                   | Cold Bend (-20°C ± 2°C x 4h)                  |                            | No visible cracks       |
| Electrical Characheristics (20°C) | 1.0-100.0 MHz, Characteristic impeacance (Ω)  |                            | 100 ±15                 |
|                                   | 1.0-100.0 MHz, Delay Shew 20°C (ns/100m)      |                            | ≥45                     |
|                                   | DC Resistance 20°C (Ω/100m) max               |                            | 9.38                    |
|                                   | DC Conductor Resistance Unbalance (%)         |                            | max 5.0                 |

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### TECHNICAL PERFORMANCE (100M) (20°C)

|              | RL   | ATT  | NEXT | DELAY  | PSNEXT | ELFEXT | PSELFEXT |
|--------------|------|------|------|--------|--------|--------|----------|
| (MHz)        | ≥dB  | ≤dB  | ≥dB  | ≤ns    | ≥dB    | ≥dB    | ≥dB      |
| <b>1</b>     | 20.0 | 2.0  | 65.3 | 570.00 | 62.3   | 64.0   | 61.0     |
| <b>4.0</b>   | 23.0 | 4.1  | 56.3 | 552.00 | 53.3   | 52.0   | 49.0     |
| <b>8.0</b>   | 24.5 | 5.8  | 51.8 | 546.73 | 48.8   | 45.9   | 42.9     |
| <b>10.0</b>  | 25.0 | 6.5  | 50.3 | 545.38 | 47.3   | 44.0   | 41.0     |
| <b>16.0</b>  | 25.0 | 8.2  | 47.2 | 543.00 | 44.4   | 39.9   | 36.9     |
| <b>20.0</b>  | 25.0 | 9.3  | 45.8 | 542.05 | 42.8   | 38.0   | 35.0     |
| <b>25.0</b>  | 24.3 | 10.4 | 44.3 | 541.20 | 41.3   | 35.8   | 33.0     |
| <b>31.25</b> | 23.6 | 11.7 | 42.9 | 540.44 | 39.9   | 34.1   | 31.1     |
| <b>62.5</b>  | 21.5 | 17.0 | 38.4 | 538.55 | 35.4   | 26.1   | 25.1     |
| <b>100</b>   | 20.1 | 22.0 | 35.3 | 537.60 | 32.3   | 24.0   | 21.0     |

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