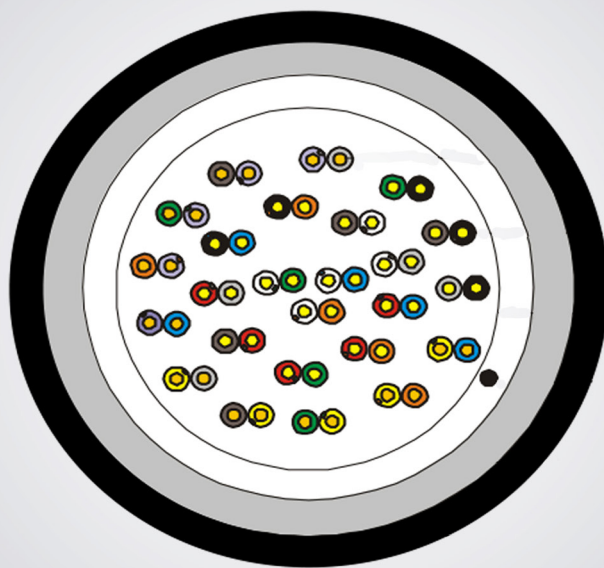


## Telekabel IN/OUT 25x2xAWG24 kategori 3 16MHz LSZH/PE



### Anvendelse

Anvendes som telebackbone kabel mellem krydsfelter eller fra PABC til telekrydsfelt.

Kablet har dobbelt kappe, den yderste kappe er af PE og den inderste kappe er af LSZH (brandhæmmende og halogenfri) og kan anvendes både indendørs og udendørs.

### Specifikation

Kategori: 3 U-UTP

Frekvens: 16 Mhz

Antal par: 25 par

Farvekode: UL4444

Leder: 0,50 mm massiv kobber

Lederisolation: PE

Inderste kappe: LSZH

Kappefarve: Hvid U

Ydre kappe: PE

Kappefarve: Sort

Flæktråd: Ja

Udvendig Diam: 15 mm +/- 1 mm

Standard: EIA/TIA 568B.

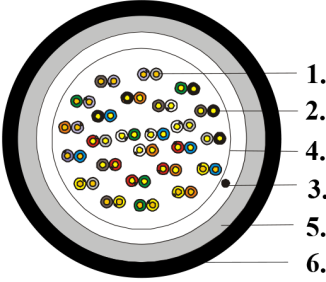
ISO/IEC 11801,

EN50173-1, EN50173-2

Fabrikat: GIGA-LAN

Oplægning: Tromle (afklip)

## Telekabel IN/OUT 25x2xAWG24 kategori 3 16MHz LSZH/PE

|                                   |   |                        |        |         |  |
|-----------------------------------|---|------------------------|--------|---------|--|
| Sheath Printing                   | TBD   |                        |        |         |  |
| Customer No.                      |   | Customer Reference     |        |         |  |
| Category                          | U/UTP CAT3-25P-LSZH+PE  |                        |        |         |  |
| Reference Standard                | ISO/IEC11801,TIA-568.2-D, EN 50173  |                        |        |         |  |
| 1.Conductor                       | Material  | SOLID-Bare Copper      |        |         |  |
|                                   | Nom. O.D. (mm)  | 0.500                  | Up     | +0.01mm |  |
|                                   |   |                        | Down   | -0.01mm |  |
| 2.Insulation                      | Material  | HDPE                   |        |         |  |
|                                   | Diameter  | 0.87±0.05mm            |        |         |  |
| Color                             | Bl./ Wh.-Bl. Ora./Wh.-Ora. Gn./Wh.-Gn. Br./Wh.-Br. Gr./Wh.-Gr.<br>Bl./ Re.-Bl. Ora./ Re.-Ora. Gn./ Re.-G. Br./Re.-Br. Gr./ Re.-Gr.<br>Bl./ Bla.-Bl. Ora./ Bla.-Ora. Gn./ Bla.-Gn. Br./ Bla.-Br. Gr./ Bla.-Gr.<br>Bl./ Yel.-Bl. Ora./ Yel.-Ora. Gn./ Yel.-Gn. Br./ Yel.-Br. Gr./ Yel.-Gr.<br>Bl./ Pur.-Bl. Ora./ Pur.-Ora. Gn./ Pur.-Gn. Br./ Pur.-Br. Gr./ Pur.-Gr. |                        |        |         |  |
| 3.Rip-cord                        | Yes   | Drain wire             | No     |         |  |
| 4.Shielded                        | Polyester Tape  |                        |        |         |  |
| 5.Inner Sheath                    | Material  | LSZH                   | Color  | TBD     |  |
|                                   | Thickness   | 0.85mm (nom.)          |        |         |  |
| 6.OuterSheath                     | Thickness   | 1.2±0.2 mm             |        |         |  |
|                                   | External O.D.   | 13.8±1.0mm             |        |         |  |
|                                   | Surface   | Clean,Frap,Satiation   |        |         |  |
|                                   | Material  | PE                     |        |         |  |
|                                   | Color   | TBD                    |        |         |  |
| Surface Printing                  | Letter height   | 3.0±0.3mm              |        |         |  |
|                                   | Color   | Black                  |        |         |  |
|                                   | Print error & Space   | ≤±1%, 1m               |        |         |  |
| Packing                           | Drum  |                        |        |         |  |
| Packing length                    | 305±1.5m  |                        |        |         |  |
| Sheath Physical Properties        | Before Aging  | Tensile Strength (Mpa) | ≥10.0  |         |  |
|                                   |   | Elongation(%)          | ≥350   |         |  |
|                                   | Aging Period(°C×hrs)  | 100°C×24h×10d          |        |         |  |
|                                   | After Aging   | Elongation(%)          | ≥300   |         |  |
|                                   | Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks   |                        |        |         |  |
| Electrical Characteristics (20°C) | 1.0-16.0MHz, Characteristic impedance (Ω)   |                        | 100±15 |         |  |
|                                   | 1.0-16.0MHz, Delay Skew 20°C(ns/100m)   |                        | ≤45    |         |  |
|                                   | DC Resistance 20°C(Ω/100m) max  |                        | 9.5    |         |  |
|                                   | DC Conductor Resistance Unbalance (%)max  |                        | 5.0    |         |  |

Technical Performance (100m) :

| Frequency (MHz) | RL ≥dB | ATT ≤dB | NEXT ≥dB | DELAY ≤ns |
|-----------------|--------|---------|----------|-----------|
| 1               | 12.0   | 2.6     | 41.3     | 570.00    |
| 4.0             | 12.0   | 5.6     | 32.3     | 552.00    |
| 8.0             | 12.0   | 8.5     | 27.8     | 546.73    |
| 10.0            | 12.0   | 9.7     | 26.3     | 545.38    |
| 16.0            | 9.95   | 13.1    | 23.3     | 543.00    |

| Frequency (MHz) | PSNEXT ≥dB | ELFEXT ≥dB | PSELFEXT ≥dB |
|-----------------|------------|------------|--------------|
| 1               | 41.3       | 39.0       | 39.0         |
| 4               | 32.3       | 26.9       | 26.9         |
| 8               | 27.8       | 20.9       | 20.9         |
| 10              | 26.3       | 19.0       | 19.0         |
| 16              | 23.3       | 14.9       | 14.9         |

Note: Structure is 3P+9P+13P, the pairs in three layers.