

PVC electronic cables· stranded pairs, shielded

LÜTZE ELECTRONIC LiY (C)Y TP



Application

- For trouble-free transmission in all areas of electronics, measuring, control and regulation technology
- In low voltage switchgears and communications engineering
- In office machines and computers
- In dry and moist rooms
- For flexible application for free movement and without tensile loading

Properties

- PVC flame-retardant, self-extinguishing
- Very good shielding attenuation
- High crosstalk attenuation through paired stranding
- Widely resistant to oils, greases, acids and bases
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

| | |
|----------------------------|---|
| Voltage | |
| up to 0.34 mm ² | 300 V |
| after 0.5 mm ² | 500 V |
| Test voltage | |
| up to 0.34 mm ² | 1200 V |
| after 0.5 mm ² | 2000 V |
| Isolation resistance | min. 20 MΩ × km |
| Operating capacitance | approx. 120 – 150 pF/m |
| Temperature range | |
| moving | -5 °C to +70 °C |
| fixed | -30 °C to +70 °C |
| Minimum bending radius | |
| fixed | Cable diameter × 6 |
| Burning behaviour | Flame-retardant according to VDE 0482 T. 265-2-1; IEC 60332-1 |

Design

- Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special PVC conductor insulation
- Conductors colour-coded according to DIN 47100
- Conductors stranded pairs, foil banding
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Jacket special PVC TM2 according to HD21.1, matt, adhesion-free surface
- Jacket colour grey RAL 7032

| Part-No. | Number of strands/cross-section | Outer-Ø approx. mm | Weight kg/100 m | Cu-Index kg/100 m |
|----------------------------|---------------------------------|--------------------|-----------------|-------------------|
| 0.14 mm² | | | | |
| 110600 | (2×2×0,14) | 5.1 | 3.5 | 1.8 |
| 110601 | (3×2×0,14) | 5.5 | 4.2 | 2.3 |
| 110602 | (4×2×0,14) | 6.3 | 5.0 | 2.5 |
| 110604 | (6×2×0,14) | 7.3 | 8.5 | 3.8 |
| 110606 | (10×2×0,14) | 8.9 | 11.5 | 6.0 |
| 110607 | (12×2×0,14) | 9.3 | 12.5 | 7.3 |
| 110609 | (16×2×0,14) | 10.5 | 14.8 | 9.8 |
| 110611 | (20×2×0,14) | 11.5 | 18.5 | 11.5 |
| 118165 | (30×2×0,14) | 13.2 | 27.9 | 14.3 |
| 110614 | (32×2×0,14) | 14.6 | 29.0 | 14.5 |
| 0.25 mm² | | | | |
| 110618 | (2×2×0,25) | 6.5 | 4.6 | 2.4 |
| 110619 | (3×2×0,25) | 6.7 | 5.7 | 3.5 |
| 110620 | (4×2×0,25) | 7.5 | 7.7 | 4.2 |
| 118195 | (5×2×0,25) | 8.0 | 8.7 | 5.0 |
| 110622 | (6×2×0,25) | 9.0 | 10.4 | 5.8 |
| 118251 | (8×2×0,25) | 9.4 | 11.8 | 7.0 |
| 110625 | (10×2×0,25) | 11.1 | 14.0 | 10.2 |
| 110626 | (12×2×0,25) | 12.1 | 19.0 | 12.0 |
| 110629 | (20×2×0,25) | 14.1 | 26.2 | 16.0 |
| 118110 | (24×2×0,25) | 15.5 | 33.3 | 19.3 |
| 0.34 mm² | | | | |
| 110633 | (2×2×0,34) | 6.6 | 5.2 | 2.6 |
| 110634 | (3×2×0,34) | 7.4 | 6.8 | 4.0 |
| 110635 | (4×2×0,34) | 8.2 | 9.0 | 5.2 |
| 110637 | (6×2×0,34) | 9.6 | 13.7 | 6.8 |
| 110665 | (10×2×0,34) | 12.3 | 14.3 | 12.2 |
| 118294 | (24×2×0,34) | 16.8 | 41.0 | 24.5 |
| 0.5 mm² | | | | |
| 110641 | (2×2×0,5) | 8.0 | 8.7 | 4.6 |
| 110642 | (3×2×0,5) | 8.6 | 10.9 | 6.4 |
| 110643 | (4×2×0,5) | 9.6 | 13.9 | 8.2 |
| 110248 | (5×2×0,5) | 11.1 | 17.6 | 9.8 |
| 110645 | (8×2×0,5) | 12.0 | 23.8 | 13.6 |
| 118244 | (10×2×0,5) | 14.1 | 28.4 | 16.0 |
| 118322 | (12×2×0,5) | 15.0 | 32.4 | 18.6 |
| 110647 | (16×2×0,5) | 17.6 | 44.6 | 24.0 |
| 0.75 mm² | | | | |
| 110651 | (2×2×0,75) | 8.6 | 10.6 | 5.8 |
| 110137 | (3×2×0,75) | 9.5 | 14.0 | 8.4 |
| 110653 | (4×2×0,75) | 10.8 | 17.9 | 10.8 |
| 111109 | (6×2×0,75) | 12.5 | 24.6 | 14.6 |
| 111232 | (12×2×0,75) | 17.6 | 45.6 | 26.1 |

CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively