



UNITRONIC® LiHCH

Screened halogen-free data transmission cable with colour code acc. to DIN 47100

LAPP KABEL STUÏGART UNITRONIC® LiHCH



Info

- For use within public buildings and industrial plants

Benefits

- Halogen-free: to protect human life and valuable assets in the event of a fire, through low smoke density and low amount of corrosive gases
- Low capacitance due to polyolefin-based insulation
- Overall braid minimises electrical interference

Application range

- Suitable for areas with a high density of people as well as high-value property that must be protected in the event of a fire
- For use within public buildings, transport systems and industrial plants
- For data processing, measurement and control engineering, safety related systems and as electronics cable
- For use in computer systems, instrumentation systems, office equipment, balances - wherever screened, halogen-free, small-diameter cables are needed.
- 7-wire stranded conductor can be used for Maxi TERMI-POINT® wiring (for this product the 0,34mm² version only)

Product features

- Flame-retardant according IEC 60332-1-2
- Low smoke zero halogen (LSZH)
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
Corrosiveness of combustion gases according to EN 50267-2-3 (degree of acidity)
- Low smoke density according to IEC 61034-2

Norm references / Approvals

- Based on VDE 0812

Product make-up

- Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
- Core insulation made of special halogen-free compound
- Tinned-copper braiding
- Outer sheath made of special halogen-free compound
Outer sheath colour: pebble grey (RAL 7032)

Technical data

- Core identification code**
DIN 47100 without colour repetition, refer to Appendix T9
- Mutual capacitance**
C/C approx. 80 nF/km
C/S approx. 120 nF/km
- Peak operating voltage**
(not for power applications) 250 V
- Specific insulation resistance**
> 20 GOhm x cm
- Inductivity**
approx. 0.65 mH/km
- Conductor stranding**
Stranded, fine-wire
0.34 mm²: 7-wire
- Minimum bending radius**
Occasional flexing: 10 x outer diameter
Fixed installation: 6 x outer diameter
- Test voltage**
1200 V
- Temperature range**
Occasional flexing: -5°C to +70°C
Fixed installation: -30°C to +80°C

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|-------------------------|---------------------------------------------------|---------------------|----------------------|----------------|
| UNITRONIC® LiHCH | | | | |
| 0037302 | 2 x 0.14 | 4.1 | 12.0 | 22 |
| 0037303 | 3 x 0.14 | 4.3 | 14.1 | 25 |
| 0037304 | 4 x 0.14 | 4.5 | 15.9 | 29 |
| 0037306 | 6 x 0.14 | 5.1 | 22.0 | 35 |
| 0037307 | 7 x 0.14 | 5.1 | 24.0 | 38 |
| 0037308 | 8 x 0.14 | 6.0 | 26.0 | 41 |
| 0037312 | 12 x 0.14 | 6.5 | 30.4 | 78 |
| 0037316 | 16 x 0.14 | 7.2 | 43.0 | 90 |
| 0037325 | 25 x 0.14 | 8.7 | 63.0 | 149 |
| 0037402 | 2 x 0.25 | 4.7 | 15.0 | 25 |
| 0037403 | 3 x 0.25 | 4.9 | 18.0 | 30 |
| 0037404 | 4 x 0.25 | 5.2 | 22.0 | 35 |
| 0037406 | 6 x 0.25 | 6.2 | 30.0 | 49 |
| 0037407 | 7 x 0.25 | 6.2 | 32.0 | 52 |
| 0037408 | 8 x 0.25 | 7.3 | 35.0 | 58 |
| 0037410 | 10 x 0.25 | 7.7 | 42.0 | 81 |
| 0037425 | 25 x 0.25 | 10.9 | 114.0 | 172 |
| 0037502 | 2 x 0.34 | 5.1 | 17.0 | 30 |
| 0037503 | 3 x 0.34 | 5.3 | 21.0 | 35 |
| 0037504 | 4 x 0.34 | 5.9 | 25.0 | 42 |
| 0037505 | 5 x 0.34 | 6.4 | 30.0 | 53 |
| 0037507 | 7 x 0.34 | 7.0 | 42.0 | 73 |
| 0037508 | 8 x 0.34 | 8.0 | 45.0 | 84 |
| 0037510 | 10 x 0.34 | 8.5 | 63.0 | 101 |

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 0037516 | 16 x 0.34 | 9.6 | 94.0 | 160 |
| 0037525 | 25 x 0.34 | 12.1 | 144.0 | 259 |
| 0037602 | 2 x 0.5 | 5.8 | 29.0 | 38 |
| 0037603 | 3 x 0.5 | 6.1 | 35.0 | 47 |
| 0037604 | 4 x 0.5 | 6.5 | 45.0 | 67 |
| 0037605 | 5 x 0.5 | 7.2 | 50.0 | 76 |
| 0037606 | 6 x 0.5 | 7.8 | 59.0 | 84 |
| 0037607 | 7 x 0.5 | 7.8 | 68.0 | 91 |
| 0037608 | 8 x 0.5 | 8.9 | 75.0 | 135 |
| 0037610 | 10 x 0.5 | 9.5 | 93.0 | 131 |
| 0037612 | 12 x 0.5 | 9.8 | 99.0 | 177 |
| 0037618 | 18 x 0.5 | 11.7 | 134.0 | 239 |
| 0037625 | 25 x 0.5 | 13.9 | 211.0 | 352 |
| 0037702 | 2 x 0.75 | 6.2 | 35.0 | 45 |
| 0037703 | 3 x 0.75 | 6.5 | 46.0 | 69 |
| 0037704 | 4 x 0.75 | 7.2 | 56.0 | 80 |
| 0037705 | 5 x 0.75 | 7.8 | 70.0 | 99 |
| 0037707 | 7 x 0.75 | 8.3 | 90.0 | 120 |
| 0037802 | 2 x 1 | 6.5 | 43.0 | 72 |
| 0037803 | 3 x 1 | 7.0 | 56.0 | 90 |
| 0037804 | 4 x 1 | 7.5 | 68.0 | 109 |
| 0037807 | 7 x 1 | 8.8 | 118.0 | 171 |
| 0037902 | 2 x 1.5 | 7.7 | 58.0 | 90 |
| 0037903 | 3 x 1.5 | 8.1 | 74.0 | 115 |
| 0037905 | 5 x 1.5 | 9.5 | 129.0 | 176 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
TERMI-POINT® is a registered trademark of AMP
Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- UNITRONIC® LiHCH (TP) refer to page 265

Accessories

- SKINTOP® MS-SC-M refer to page 674
- Multipurpose shears A and B refer to page 907