# UNITRONIC® LiHCH

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

UNITRONIC® LiHCH: Low-frequency halogen-free data cable flexible (0.34 mm² multi-wire Maxi TERMI-POINT®) DIN 47100, low capacitance, low smoke density, screened

## Info

For use within public buildings and industrial plants
Further dimensions/colours on request
CPR: Article number choice under www.lappkabel.com/cpr




Halogen-free

Interference signals

## 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.

## Product features

Flame-retardant according IEC 60332-1-2
Low smoke zero halogen (LSZH)

Last Update (15.05.2025)
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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Halogen-free as per IEC 60754-1, Low corrosivity/ acidity of combustion gases per IEC 60754-2, Low toxicity of comb. gases per EN 50305
Low smoke density according to IEC 61034-2

## Norm references / Approvals

Based on VDE 0812

## Product Make-up

Fine-wire/multi-wire (0.34 $mm^2$) 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

| | |
|---|---|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000104<br>ETIM 6.0 Class-Description: Control cable |
| Core identification code: | DIN 47100 without colour repetition, refer to Appendix T9 |
| Mutual capacitance: | C/C approx. 80 nF/km<br>C/S approx. 120 nF/km |
| Inductivity: | approx. 0.65 mH/km |
| Conductor stranding: | Stranded, fine-wire<br>0.34 $mm^2$: 7-wire |
| Minimum bending radius: | Occasional flexing: 10 x outer diameter<br>Fixed installation: 6 x outer diameter |
| Test voltage: | 1200 V |
| Temperature range: | Occasional flexing: -5 °C to +70 °C<br>Fixed installation: -30 °C to +80 °C |

## Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. 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 and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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PRODUCT INFORMATION

| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| UNITRONIC® LiHCH | | | | |
| 0037302 | 2 x 0.14 | 4.1 | 12 | 22 |
| 0037304 | 4 x 0.14 | 4.5 | 15.9 | 29 |
| 0037308 | 8 x 0.14 | 6 | 26 | 41 |
| 0037312 | 12 x 0.14 | 6.5 | 30.4 | 78 |
| 0037325 | 25 x 0.14 | 8.7 | 63 | 149 |
| 0037402 | 2 x 0.25 | 4.7 | 15 | 25 |
| 0037403 | 3 x 0.25 | 4.9 | 18 | 30 |
| 0037404 | 4 x 0.25 | 5.2 | 22 | 35 |
| 0037406 | 6 x 0.25 | 6.2 | 30 | 49 |
| 0037407 | 7 x 0.25 | 6.2 | 32 | 52 |
| 0037408 | 8 x 0.25 | 7.3 | 35 | 58 |
| 0037410 | 10 x 0.25 | 7.7 | 42 | 81 |
| 0037425 | 25 x 0.25 | 10.9 | 114 | 172 |
| 0037502 | 2 x 0.34 | 5.1 | 17 | 30 |
| 0037503 | 3 x 0.34 | 5.3 | 21 | 35 |
| 0037504 | 4 x 0.34 | 5.9 | 25 | 42 |
| 0037507 | 7 x 0.34 | 7 | 42 | 73 |
| 0037508 | 8 x 0.34 | 8 | 45 | 84 |
| 0037510 | 10 x 0.34 | 8.5 | 63 | 101 |
| 0037516 | 16 x 0.34 | 9.6 | 94 | 160 |
| 0037525 | 25 x 0.34 | 12.1 | 144 | 259 |
| 0037602 | 2 x 0.5 | 5.8 | 29 | 38 |
| 0037603 | 3 x 0.5 | 6.1 | 35 | 47 |
| 0037604 | 4 x 0.5 | 6.5 | 45 | 67 |
| 0037605 | 5 x 0.5 | 7.2 | 50 | 76 |
| 0037606 | 6 x 0.5 | 7.8 | 59 | 84 |
| 0037607 | 7 x 0.5 | 7.8 | 68 | 91 |
| 0037608 | 8 x 0.5 | 8.9 | 75 | 135 |
| 0037610 | 10 x 0.5 | 9.5 | 93 | 160 |
| 0037612 | 12 x 0.5 | 9.8 | 99 | 177 |
| 0037618 | 18 x 0.5 | 11.7 | 134 | 239 |
| 0037702 | 2 x 0.75 | 6.2 | 35 | 45 |
| 0037703 | 3 x 0.75 | 6.5 | 46 | 69 |
| | | | | |

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|---|---|---|---|---|
| 0037704 | 4 x 0.75 | 7.2 | 56 | 80 |
| 0037802 | 2 x 1.0 | 6.5 | 43 | 72 |
| 0037803 | 3 x 1.0 | 7 | 56 | 90 |
| 0037804 | 4 x 1.0 | 7.5 | 68 | 109 |
| 0037807 | 7 x 1.0 | 8.8 | 118 | 171 |
| 0037902 | 2 x 1.5 | 7.3 | 58 | 90 |
| 0037903 | 3 x 1.5 | 7.7 | 74 | 115 |

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