

UNITRONIC® LiHCH



Benefits

- Halogen free cable

Application range

- Suited for areas with a high density of people, e.g. public buildings or transport systems, as well as high-value property that must be protected in case of fire.

Product features

- Flame-retardant acc. to IEC 60332-1-2

Approvals (Norm references)



Product Make-up

- Bare copper wire stranded conductor
- Halogen free core insulation and outer sheath
- Core colour code in accordance with DIN 47100 but no colour repetition
- Screen made of tinned copper wire braid
- Colour: pebble grey (RAL 7032)

Technical data

- Core identification code**
DIN 47100, without colour repetition see Table T9
- Mutual capacitance**
C/C approx. 80 nF/km
C/S approx. 120 nF/km
- Peak working voltage**
(not for power applications) 250 V
- Based on**
VDE 0812
- Insulation resistance**
> 20 GOhm x cm
- Coupling**
LiHCH (TP): At 1 kHz:
Approx. 300 pF/100 m
- Inductivity**
approx. 0.65 mH/km
- Conductor stranding**
Strand, fine wire
0.34 mm², 7 wire
- Conductor resistance**
see appendix T11
- Minimum bending radius**
Flexing:
15 x cable diameter
fixed installation:
6 x cable diameter
- Test voltage**
1200 V
- Loop resistance**
LiHCH (TP): 2x value in table T11
- Range of temperature**
Operation: -30 °C to +70 °C

| Part number | Number of cores and mm ² per conductor | Outer diameter in mm approx. | Copper index kg/km | Weight kg/km approx. |
|-------------------------|---|------------------------------|--------------------|----------------------|
| UNITRONIC® LiHCH | | | | |
| 0037302 | 2 x 0.14 | 4.1 | 12.0 | 22.0 |
| 0037303 | 3 x 0.14 | 4.3 | 14.1 | 25.0 |
| 0037304 | 4 x 0.14 | 4.5 | 15.9 | 29.0 |
| 0037306 | 6 x 0.14 | 5.1 | 22.0 | 35.0 |
| 0037307 | 7 x 0.14 | 5.1 | 24.0 | 38.0 |
| 0037308 | 8 x 0.14 | 6.0 | 26.0 | 41.0 |
| 0037312 | 12 x 0.14 | 6.5 | 30.4 | 78.0 |
| 0037316 | 16 x 0.14 | 7.2 | 43.0 | 90.0 |
| 0037325 | 25 x 0.14 | 8.7 | 63.0 | 149.0 |
| 0037402 | 2 x 0.25 | 4.7 | 15.0 | 25.0 |
| 0037403 | 3 x 0.25 | 4.9 | 18.0 | 30.0 |
| 0037404 | 4 x 0.25 | 5.2 | 22.0 | 35.0 |
| 0037406 | 6 x 0.25 | 6.2 | 30.0 | 49.0 |
| 0037407 | 7 x 0.25 | 6.2 | 32.0 | 52.0 |
| 0037408 | 8 x 0.25 | 7.3 | 35.0 | 58.0 |
| 0037410 | 10 x 0.25 | 7.7 | 42.0 | 81.0 |
| 0037425 | 25 x 0.25 | 10.9 | 114.0 | 172.0 |
| 0037502 | 2 x 0.34 | 5.1 | 17.0 | 30.0 |
| 0037503 | 3 x 0.34 | 5.3 | 21.0 | 35.0 |
| 0037504 | 4 x 0.34 | 5.9 | 25.0 | 42.0 |
| 0037505 | 5 x 0.34 | 6.4 | 30.0 | 53.0 |
| 0037507 | 7 x 0.34 | 7.0 | 42.0 | 73.0 |
| 0037508 | 8 x 0.34 | 8.0 | 45.0 | 84.0 |
| 0037510 | 10 x 0.34 | 8.5 | 63.0 | 101.0 |

| Part number | Number of cores and mm ² per conductor | Outer diameter in mm approx. | Copper index kg/km | Weight kg/km approx. |
|-------------|---|------------------------------|--------------------|----------------------|
| 0037516 | 16 x 0.34 | 9.6 | 94.0 | 160.0 |
| 0037525 | 25 x 0.34 | 12.1 | 144.0 | 259.0 |
| 0037602 | 2 x 0.5 | 5.8 | 29.0 | 38.0 |
| 0037603 | 3 x 0.5 | 6.1 | 35.0 | 47.0 |
| 0037604 | 4 x 0.5 | 6.5 | 45.0 | 67.0 |
| 0037605 | 5 x 0.5 | 7.2 | 50.0 | 76.0 |
| 0037606 | 6 x 0.5 | 7.8 | 59.0 | 84.0 |
| 0037607 | 7 x 0.5 | 7.8 | 68.0 | 91.0 |
| 0037608 | 8 x 0.5 | 8.9 | 75.0 | 135.0 |
| 0037610 | 10 x 0.5 | 9.5 | 93.0 | 131.0 |
| 0037612 | 12 x 0.5 | 9.8 | 99.0 | 177.0 |
| 0037618 | 18 x 0.5 | 11.7 | 134.0 | 239.0 |
| 0037625 | 25 x 0.5 | 13.9 | 211.0 | 352.0 |
| 0037702 | 2 x 0.75 | 6.2 | 35.0 | 45.0 |
| 0037703 | 3 x 0.75 | 6.5 | 46.0 | 69.0 |
| 0037704 | 4 x 0.75 | 7.2 | 56.0 | 80.0 |
| 0037705 | 5 x 0.75 | 7.8 | 70.0 | 99.0 |
| 0037707 | 7 x 0.75 | 8.3 | 90.0 | 120.0 |
| 0037802 | 2 x 1 | 6.5 | 43.0 | 72.0 |
| 0037803 | 3 x 1 | 7.0 | 56.0 | 90.0 |
| 0037804 | 4 x 1 | 7.5 | 68.0 | 109.0 |
| 0037807 | 7 x 1 | 8.8 | 118.0 | 171.0 |
| 0037902 | 2 x 1.5 | 7.7 | 58.0 | 90.0 |
| 0037903 | 3 x 1.5 | 8.1 | 74.0 | 115.0 |
| 0037905 | 5 x 1.5 | 9.5 | 129.0 | 176.0 |

Copper price basis: EUR 150 / 100 kg
 Our standard lengths, please visit: www.lappkabel.de/en/cable-standardlengths/
 Packaging size: Coil ≤ 30 kg or ≤ 250 m, otherwise drum
 Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Accessories

- SKINTOP® MS-SC-M see page 568
- Multipurpose shears A and B see page 818

