

### Product Description

Halogen-free data cable



### Application range

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- 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.

### Benefits

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- Halogen-free data cable

### Design

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

### Product features

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- Flame retardant according to IEC 60332-1-2



Technical Data

**Core identification code**

DIN 47100 without colour repetition, see Appendix T9

**Mutual capacitance**

C/C approx. 80 nF/km  
C/S approx. 120 nF/km

**Peak working voltage**

(not for power applications) 250 V

**Inductivity**

approx. 0.65 mH/km

**Based on**

VDE 0812

**Insulation resistance**

> 20 GOhm x cm

**Coupling**

LiHCH (TP): At 1 kHz: Approx. 300 pF/100 m

**Conductor stranding**

Strand, fine wire 0.34 mm<sup>2</sup>, 7 wire

**Conductor resistance**

see Appendix T11

**Minimum bending radius**

Flexing: 15 x outer diameter  
Fixed installed: 6 x outer diameter

**Test voltage**

1200 V

**Loop resistance**

LiHCH (TP): 2x value in table T11

**Range of temperature**

Static: -30°C up to +80°C  
Flexing: -5°C up to +70°C

Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in 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
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

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)



Packaging size: Coil  $\leq$  30 kg and  $\leq$  250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.