



**UNITRONIC® LIHH**

**Halogen-free data transmission cable with colour code acc. to DIN 47100**



**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
- Small outer diameters despite a high number of cores

**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
- 7-wire stranded conductor can be used for Maxi TERMI-POINT® wiring (for this product the 0,34mm² version only)
- Dry or damp rooms

**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
- 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**  
Approx. 80 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 mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>UNITRONIC® LIHH</b>				
0037100	2 x 0.14	3.4	2.7	12
0037101	3 x 0.14	3.6	4.0	15
0037102	4 x 0.14	3.8	5.4	17
0037103	5 x 0.14	4.1	6.7	22
0037104	6 x 0.14	4.4	8.1	25
0037105	7 x 0.14	4.4	9.4	26
0037106	8 x 0.14	5.1	10.8	29
0037107	10 x 0.14	5.4	13.4	35
0037108	12 x 0.14	5.8	16.1	43
0037109	20 x 0.14	7.2	26.8	73
0037110	25 x 0.14	8.0	34.6	91
0037120	2 x 0.25	4.0	4.8	22
0037121	3 x 0.25	4.2	7.2	25
0037122	4 x 0.25	4.5	9.6	28
0037123	5 x 0.25	4.9	12.0	34
0037124	6 x 0.25	5.3	14.4	39
0037125	7 x 0.25	5.3	16.8	42
0037126	8 x 0.25	6.4	19.2	50
0037127	10 x 0.25	7.0	24.0	60
0037128	12 x 0.25	7.2	28.8	67
0037129	16 x 0.25	7.9	38.4	85

Article number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0037140	2 x 0.34	4.4	6.5	28
0037141	3 x 0.34	4.6	9.8	30
0037142	4 x 0.34	5.0	13.1	40
0037143	5 x 0.34	5.7	16.3	44
0037144	7 x 0.34	6.1	22.8	60
0037146	10 x 0.34	7.8	32.6	80
0037147	12 x 0.34	8.0	39.2	97
0037150	2 x 0.5	4.9	9.6	31
0037151	3 x 0.5	5.2	14.4	37
0037152	4 x 0.5	5.8	19.2	45
0037153	5 x 0.5	6.3	24.0	58
0037154	7 x 0.5	7.0	33.6	72
0037155	12 x 0.5	9.1	57.6	117
0037160	2 x 0.75	5.3	14.4	41
0037162	4 x 0.75	6.3	28.8	60
0037163	5 x 0.75	7.1	36.0	70
0037164	7 x 0.75	7.7	50.4	85
0037165	12 x 0.75	10.4	86.4	165
0037171	3 x 1	6.1	28.8	57
0037172	4 x 1	6.6	38.4	67
0037181	3 x 1.5	7.4	43.2	72
0037182	4 x 1.5	8.0	57.6	87

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](http://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 refer to page 264

**Accessories**

- SKINTOP® ST-HF-M refer to page 660
- KT 11 cable shears refer to page 907
- DATA STRIP stripping tool refer to page 911