**® LAPP GROUP** 

Low frequency data transmission cables • Halogen-free





# **UNITRONIC® LiHH**

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



Info

· For use within public buildings and industrial plants

### LAPP KABEL STUTTGART UNITRONICO LIHH



## **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 0,34mm<sup>2</sup> 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**



# Classification

ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable



# Core identification code

DIN 47100 without colour repetition, refer to Appendix T9

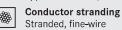


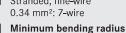
Mutual capacitance Approx. 80 nF/km

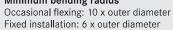


Peak operating voltage (not for power applications) 250 V

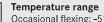












Occasional flexing: -5°C to +70°C Fixed installation: -30°C to +80°C

Article number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)		
UNITRONIC® Lihh						
0037104	6 x 0.14	4.4	8.1	25		
0037120	2 x 0.25	4	4.8	22		
0037121	3 x 0.25	4.2	7.2	25		
0037122	4 x 0.25	4.5	9.6	28		
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		
0037128	12 x 0.25	7.2	28.8	67		
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	13.1	40		

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0037143	5 x 0.34	5.7	16.3	44
0037147	12 x 0.34	8	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	58
0037154	7 x 0.5	7	33.6	72
0037160	2 x 0.75	5.3	14.4	41
0037162	4 x 0.75	6.3	28.8	60
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

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  $\le 30$  kg or  $\le 250$  m, otherwise drum

Please specify the preferred type of packaging (e.g.  $1 \times 500$  m drum or  $5 \times 100$  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 298

## Accessories

- SKINTOP® ST-HF-M refer to page 718
- KT 11 cable shears
- DATA STRIP stripping tool refer to page 1001