

UNITRONIC® LiHH

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

UNITRONIC® LiHH: Low-frequency halogen-free data cable flexible, 0.34 mm² multi-wired Maxi TERMINI-POINT®, DIN 47100, low capacitance, low smoke density LS0H/LSZH

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

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

Dry or damp rooms

Product features

Flame-retardant according IEC 60332-1-2

Low smoke zero halogen (LSZH)

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

Last Update (01.09.2020)

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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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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:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	DIN 47100 without colour repetition, refer to Appendix T9
Mutual capacitance:	Approx. 80 nF/km
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Stranded, fine-wire 0.34 mm ² : 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

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).

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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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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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
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	7.1	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 1.0	6.1	28.8	57
0037172	4 x 1.0	6.6	38.4	67

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