



DATA SHEET	0037100
UNITRONIC® LiHH	valid from : 17.01.2003

Application

UNITRONIC® LiHH is a halogen-free, flexible cable for control and data transmissions, for weak-current applications. The fine wired conductor (7-wired for 0.34mm²) and the robust halogen-free outer sheath gives the cable strength as well as high flexibility.

The cable is intended for static laying and flexible use in dry and damp interiors. Design and electrical characteristics acc. to VDE 0812.

Design

Conductor	fine-wire strands of bare copper wire; 0.14 mm ² to 1.5 mm ² , 7-wired for 0.34 mm ²
Insulation	halogen-free compound, polyolefin type
Coding	to DIN 47100
Stranding	cores twisted in layers, wrapping by plastic foil
Sheath	halogen-free compound HM 2 to VDE 0207, part 24. flame retardant, grey, RAL 7032

Marking on the sheath

LAPP KABEL STUTTGART **UNITRONIC® LiHH**

ART. 0037100

Technical Data

Loop resistance	0.14 mm ²	max. Ω/km	148
	0.25 mm ²	max. Ω/km	79.9
	0.34 mm ²	max. Ω/km	57.5
	0.5 mm ²	max. Ω/km	38.9
	0.75 mm ²	max. Ω/km	26
	1.0 mm ²	max. Ω/km	19.5
1.5 mm ²	max. Ω/km	13.3	
Insulation resistance		min. GΩxkm	5
Mutual capacitance	core/core	nF/km	ca. 100
Inductivity		mH/km	ca. 0.65
Operating Voltage (not for power purposes)		V	250
Test voltage		U _{eff.} V	1200
Temperature range	static	°C	- 30 to + 70
Minimum bending radius	static		6 x Ø cable
	moved		15 x Ø cable
Flame propagation	flame retardant to VDE 0482, part 265-2-1 / IEC 60 332-1		
Absence of halogens	according to VDE 0472, part 815		

elaborated by: TE-K: M. Herb	Document: DB0037100_2EN	page 1 of 1
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