



DATA SHEET	0034302
UNITRONIC® LiYCY	valid from : 05.05.2004

Application

UNITRONIC® LiYCY is a flexible, screened cable for fixed installation and flexible use, but not for high flexible applications in power chains and permanently moved machines. The screen is a protection against electrical interference.

UNITRONIC® LiYCY cables are for use in dry, damp and wet rooms, but not outside.

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	PVC compound Y12 in acc. with VDE 0207 part 4
Coding	to DIN 47100
Stranding	cores twisted in layers, wrapping by plastic foil
Screening	braid of tinned copper, coverage approx. 85 %
Sheath	PVC compound TM2 in acc. to VDE 0207 part 5, grey

Marking on the sheath

LAPPKABEL STUTTGART UNITRONIC® LiYCY Part No.

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	
Specific insulation resistance		min. GΩxcm	10
Mutual capacitance	core/core	nF/km	ca. 120
	core/screen	nF/km	ca. 160
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 60332-1		

elaborated by: TE-K: : M. Herb	Document: DB0034302_2EN	page 1 of 1
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