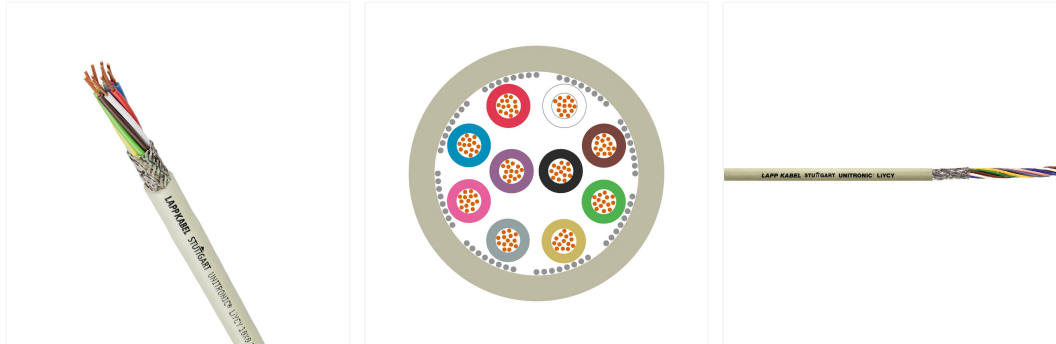


## UNITRONIC® LIYCY 2X1

**Article No.:** 0034802

Low-frequency data cable; 2X1; Conductor color code: DIN 47100; PVC; Shielded; Flexible



### Details

### Benefits

- Compact design enables small outer diameters despite high number of conductors.
- Classified fire behavior according to EU Directive 305/2011 (BauPVO/CPR) with article number selection on the LAPP website.

### Application

- Can be used universally at machine interfaces for many applications for data and signal transmission in the low-frequency range.
- Suitable for computer systems, electronic control and regulation devices, office machines, scales, etc.
- For fixed installation.
- Can be used in dry and damp rooms.
- Suitable for light mechanical stress.
- The PVC outer jacket is somewhat oil-resistant.

### Notes

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

### Remarks

### Technical Data

#### General information

Brand	UNITRONIC®
Product type	Low-frequency data cable
Copper index (lb)	288.9 lb/10,000 ft

#### Electrical parameters

test voltage	1.5 kV
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#### Product design

Li-stranded cables	LiYCY
Cable dimension	2X1
Nominal cross section conductor (mm <sup>2</sup> )	1 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	fine-wire
Including protective ground	No
Number of cores	2
Stranding type	Layered Stranding
Shielded	Yes
Type of overall shielding	Tin-plated copper braiding
Nominal outer diameter	0.248 in
Cable form	Round
Core insulation base material	Polyvinylchloride

Conductor insulation basic material, short form	PVC
Basic material of outer jacket	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Outer jacket color	gray
Core identification	Colors
Conductor color code	DIN 47100

### Product features

Application area	Flexible Fixed Installation
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	1.488 in
Minimum bending radius, occasionally moved	15 x outer diameter
Minimum bending radius in mm, occasionally moved	3.72 in
Temperature, fixed installation	-40 °C to 80 °C
Temperature, occasionally moved	-5 °C to 70 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	No
Halogenfree	No
Oil resistant	No
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

### Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EAЭС N RU Д-DE.АЮ64.В.00130/20
VDE certified	No

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CPR fire class	Eca
Resistance to flame propagation tested according to UN/ECE-R118	No

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**UNITRONIC® LiYCY**

Article No.	Name	Number of cores	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter
0034302	UNITRONIC® LiYCY 2x0,14	2	0.14 mm <sup>2</sup>	0.154 in
0034303	UNITRONIC® LiYCY 3x0,14	3	0.14 mm <sup>2</sup>	0.161 in
0034304	UNITRONIC® LiYCY 4x0,14	4	0.14 mm <sup>2</sup>	0.169 in
0034305	UNITRONIC® LiYCY 5x0,14	5	0.14 mm <sup>2</sup>	0.181 in
0034306	UNITRONIC® LiYCY 6x0,14	6	0.14 mm <sup>2</sup>	0.193 in
0034307	UNITRONIC® LiYCY 7x0,14	7	0.14 mm <sup>2</sup>	0.193 in
0034308	UNITRONIC® LiYCY 8x0,14	8	0.14 mm <sup>2</sup>	0.228 in
0034310	UNITRONIC® LiYCY 10x0,14	10	0.14 mm <sup>2</sup>	0.24 in
0034312	UNITRONIC® LiYCY 12x0,14	12	0.14 mm <sup>2</sup>	0.248 in
0034314	UNITRONIC® LiYCY 14x0,14	14	0.14 mm <sup>2</sup>	0.264 in
0034315	UNITRONIC® LiYCY 15x0,14	15	0.14 mm <sup>2</sup>	0.272 in
0034316	UNITRONIC® LiYCY 16x0,14	16	0.14 mm <sup>2</sup>	0.276 in
0034318	UNITRONIC® LiYCY 18x0,14	18	0.14 mm <sup>2</sup>	0.287 in
0034320	UNITRONIC® LiYCY 20x0,14	20	0.14 mm <sup>2</sup>	0.303 in
0034321	UNITRONIC® LiYCY 21x0,14	21	0.14 mm <sup>2</sup>	0.311 in
0034325	UNITRONIC® LiYCY 25x0,14	25	0.14 mm <sup>2</sup>	0.335 in
0034328	UNITRONIC® LiYCY 28x0,14	28	0.14 mm <sup>2</sup>	0.335 in
0034330	UNITRONIC® LiYCY 30x0,14	30	0.14 mm <sup>2</sup>	0.343 in
0034336	UNITRONIC® LiYCY 36x0,14	36	0.14 mm <sup>2</sup>	0.366 in
0034340	UNITRONIC® LiYCY 40x0,14	40	0.14 mm <sup>2</sup>	0.409 in
0034344	UNITRONIC® LiYCY 44x0,14	44	0.14 mm <sup>2</sup>	0.421 in
0034350	UNITRONIC® LiYCY 50x0,14	50	0.14 mm <sup>2</sup>	0.437 in
0034402	UNITRONIC® LiYCY 2x0,25	2	0.25 mm <sup>2</sup>	0.177 in
0034403	UNITRONIC® LiYCY 3x0,25	3	0.25 mm <sup>2</sup>	0.185 in
0034404	UNITRONIC® LiYCY 4x0,25	4	0.25 mm <sup>2</sup>	0.197 in
0034405	UNITRONIC® LiYCY 5x0,25	5	0.25 mm <sup>2</sup>	0.22 in
0034406	UNITRONIC® LiYCY 6x0,25	6	0.25 mm <sup>2</sup>	0.236 in
0034407	UNITRONIC® LiYCY 7x0,25	7	0.25 mm <sup>2</sup>	0.236 in
0034408	UNITRONIC® LiYCY 8x0,25	8	0.25 mm <sup>2</sup>	0.28 in
0034410	UNITRONIC® LiYCY 10x0,25	10	0.25 mm <sup>2</sup>	0.295 in

Article No.	Name	Number of cores	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter
0034412	UNITRONIC® LiYCY 12x0,25	12	0.25 mm <sup>2</sup>	0.303 in
0034414	UNITRONIC® LiYCY 14x0,25	14	0.25 mm <sup>2</sup>	0.315 in
0034415	UNITRONIC® LiYCY 15x0,25	15	0.25 mm <sup>2</sup>	0.327 in
0034416	UNITRONIC® LiYCY 16x0,25	16	0.25 mm <sup>2</sup>	0.331 in
0034418	UNITRONIC® LiYCY 18x0,25	18	0.25 mm <sup>2</sup>	0.346 in
0034420	UNITRONIC® LiYCY 20x0,25	20	0.25 mm <sup>2</sup>	0.366 in
0034421	UNITRONIC® LiYCY 21x0,25	21	0.25 mm <sup>2</sup>	0.378 in
0034425	UNITRONIC® LiYCY 25x0,25	25	0.25 mm <sup>2</sup>	0.421 in
0034428	UNITRONIC® LiYCY 28x0,25	28	0.25 mm <sup>2</sup>	0.425 in
0034432	UNITRONIC® LiYCY 32x0,25	32	0.25 mm <sup>2</sup>	0.449 in
0034436	UNITRONIC® LiYCY 36x0,25	36	0.25 mm <sup>2</sup>	0.465 in
0034440	UNITRONIC® LiYCY 40x0,25	40	0.25 mm <sup>2</sup>	0.5 in
0034450	UNITRONIC® LiYCY 50x0,25	50	0.25 mm <sup>2</sup>	0.543 in
0034461	UNITRONIC® LiYCY 61x0,25	61	0.25 mm <sup>2</sup>	0.591 in
0034502	UNITRONIC® LiYCY 2x0,34	2	0.34 mm <sup>2</sup>	0.193 in
0034503	UNITRONIC® LiYCY 3x0,34	3	0.34 mm <sup>2</sup>	0.201 in
0034504	UNITRONIC® LiYCY 4x0,34	4	0.34 mm <sup>2</sup>	0.224 in
0034505	UNITRONIC® LiYCY 5x0,34	5	0.34 mm <sup>2</sup>	0.244 in
0034506	UNITRONIC® LiYCY 6x0,34	6	0.34 mm <sup>2</sup>	0.268 in
0034507	UNITRONIC® LiYCY 7x0,34	7	0.34 mm <sup>2</sup>	0.268 in
0034508	UNITRONIC® LiYCY 8x0,34	8	0.34 mm <sup>2</sup>	0.307 in
0034510	UNITRONIC® LiYCY 10x0,34	10	0.34 mm <sup>2</sup>	0.327 in
0034512	UNITRONIC® LiYCY 12x0,34	12	0.34 mm <sup>2</sup>	0.335 in
0034514	UNITRONIC® LiYCY 14x0,34	14	0.34 mm <sup>2</sup>	0.35 in
0034515	UNITRONIC® LiYCY 15x0,34	15	0.34 mm <sup>2</sup>	0.362 in
0034516	UNITRONIC® LiYCY 16x0,34	16	0.34 mm <sup>2</sup>	0.37 in
0034518	UNITRONIC® LiYCY 18x0,34	18	0.34 mm <sup>2</sup>	0.402 in
0034520	UNITRONIC® LiYCY 20x0,34	20	0.34 mm <sup>2</sup>	0.421 in
0034521	UNITRONIC® LiYCY 21x0,34	21	0.34 mm <sup>2</sup>	0.437 in
0034525	UNITRONIC® LiYCY 25x0,34	25	0.34 mm <sup>2</sup>	0.469 in

Article No.	Name	Number of cores	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter
0034528	UNITRONIC® LiYCY 28x0,34	28	0.34 mm <sup>2</sup>	0.472 in
0034530	UNITRONIC® LiYCY 30x0,34	30	0.34 mm <sup>2</sup>	0.484 in
0034532	UNITRONIC® LiYCY 32x0,34	32	0.34 mm <sup>2</sup>	0.512 in
0034536	UNITRONIC® LiYCY 36x0,34	36	0.34 mm <sup>2</sup>	0.528 in
0034540	UNITRONIC® LiYCY 40x0,34	40	0.34 mm <sup>2</sup>	0.583 in
0034550	UNITRONIC® LiYCY 50x0,34	50	0.34 mm <sup>2</sup>	0.626 in
0034602	UNITRONIC® LiYCY 2x0,5	2	0.5 mm <sup>2</sup>	0.22 in
0034603	UNITRONIC® LiYCY 3x0,5	3	0.5 mm <sup>2</sup>	0.232 in
0034604	UNITRONIC® LiYCY 4x0,5	4	0.5 mm <sup>2</sup>	0.248 in
0034605	UNITRONIC® LiYCY 5x0,5	5	0.5 mm <sup>2</sup>	0.276 in
0034606	UNITRONIC® LiYCY 6x0,5	6	0.5 mm <sup>2</sup>	0.299 in
0034607	UNITRONIC® LiYCY 7x0,5	7	0.5 mm <sup>2</sup>	0.299 in
0034608	UNITRONIC® LiYCY 8x0,5	8	0.5 mm <sup>2</sup>	0.343 in
0034610	UNITRONIC® LiYCY 10x0,5	10	0.5 mm <sup>2</sup>	0.366 in
0034612	UNITRONIC® LiYCY 12x0,5	12	0.5 mm <sup>2</sup>	0.378 in
0034618	UNITRONIC® LiYCY 18x0,5	18	0.5 mm <sup>2</sup>	0.465 in
0034620	UNITRONIC® LiYCY 20x0,5	20	0.5 mm <sup>2</sup>	0.476 in
0034625	UNITRONIC® LiYCY 25x0,5	25	0.5 mm <sup>2</sup>	0.539 in
0034630	UNITRONIC® LiYCY 30x0,5	30	0.5 mm <sup>2</sup>	0.571 in
0034702	UNITRONIC® LiYCY 2x0,75	2	0.75 mm <sup>2</sup>	0.236 in
0034703	UNITRONIC® LiYCY 3x0,75	3	0.75 mm <sup>2</sup>	0.248 in
0034704	UNITRONIC® LiYCY 4X0,75	4	0.75 mm <sup>2</sup>	0.276 in
0034705	UNITRONIC® LiYCY 5X0,75	5	0.75 mm <sup>2</sup>	0.299 in
0034707	UNITRONIC® LiYCY 7X0,75	7	0.75 mm <sup>2</sup>	0.323 in
0034710	UNITRONIC® LiYCY 10X0,75	10	0.75 mm <sup>2</sup>	0.413 in
0034712	UNITRONIC® LiYCY 12X0,75	12	0.75 mm <sup>2</sup>	0.425 in
0034718	UNITRONIC® LiYCY 18X0,75	18	0.75 mm <sup>2</sup>	0.512 in
0034725	UNITRONIC® LiYCY 25x0,75	25	0.75 mm <sup>2</sup>	0.602 in
0034730	UNITRONIC® LiYCY 30X0,75	30	0.75 mm <sup>2</sup>	0.622 in
0034802	UNITRONIC® LiYCY 2X1	2	1 mm <sup>2</sup>	0.248 in

Article No.	Name	Number of cores	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter
0034803	UNITRONIC® LIYCY 3X1	3	1 mm <sup>2</sup>	0.268 in
0034804	UNITRONIC® LIYCY 4X1	4	1 mm <sup>2</sup>	0.287 in
0034805	UNITRONIC® LIYCY 5X1	5	1 mm <sup>2</sup>	0.315 in
0034807	UNITRONIC® LIYCY 7X1	7	1 mm <sup>2</sup>	0.339 in
0034810	UNITRONIC® LIYCY 10X1	10	1 mm <sup>2</sup>	0.437 in
0034812	UNITRONIC® LIYCY 12X1	12	1 mm <sup>2</sup>	0.449 in
0034818	UNITRONIC® LIYCY 18X1	18	1 mm <sup>2</sup>	0.528 in
0034825	UNITRONIC® LIYCY 25X1	25	1 mm <sup>2</sup>	0.638 in
0034902	UNITRONIC® LIYCY 2X1,5	2	1.5 mm <sup>2</sup>	0.28 in
0034903	UNITRONIC® LIYCY 3X1,5	3	1.5 mm <sup>2</sup>	0.295 in
0034904	UNITRONIC® LIYCY 4X1,5	4	1.5 mm <sup>2</sup>	0.319 in
0034905	UNITRONIC® LIYCY 5X1,5	5	1.5 mm <sup>2</sup>	0.346 in
0034907	UNITRONIC® LIYCY 7X1,5	7	1.5 mm <sup>2</sup>	0.374 in
0034912	UNITRONIC® LIYCY 12X1,5	12	1.5 mm <sup>2</sup>	0.5 in
0034918	UNITRONIC® LIYCY 18X1,5	18	1.5 mm <sup>2</sup>	0.602 in
0034925	UNITRONIC® LIYCY 25X1,5	25	1.5 mm <sup>2</sup>	0.705 in

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