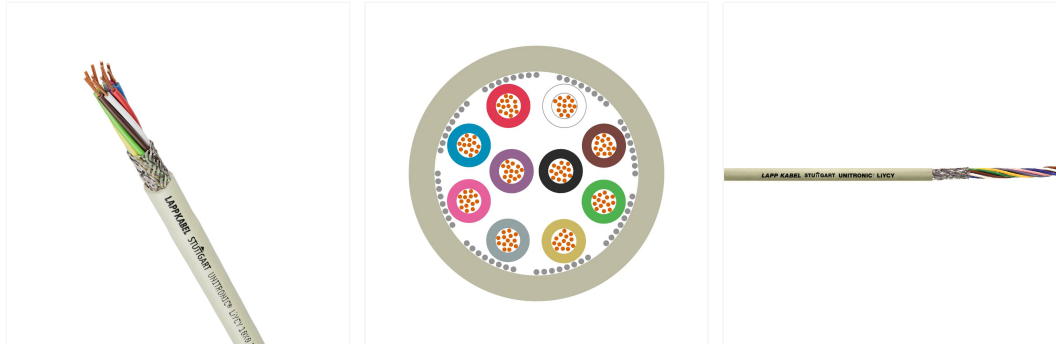


UNITRONIC® LiYCY 7x0,14

Article No.: 0034307

Low-frequency data cable; 7X0.14; Conductor colour code: DIN 47100; PVC; Shielded; Flexible



Details

Benefits

- Numerous dimensions available for wide range of applications.
- Compact design enables small outer diameters despite high number of cores.
- Resistant to electromagnetic interference thanks to copper stranded shielding with a high degree of coverage.
- Classified fire behaviour 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 spaces.
- Suitable for light mechanical stress.
- The PVC outer sheath 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 surcharges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive further 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
Weight	49 kg/km
Copper index	19 kg/km

Electrical parameters

Test voltage	1.2 kV
Max. conductor resistance at 20°C	138 Ω/km
Mutual capacitance core/core (800Hz), approx.	111 nF/km
Mutual capacitance core/shield (800Hz), approx.	172 nF/km
Inductance (800 Hz), approx.	0.724 mH/km

Product design

Li-stranded cables	LiYCY
Cable dimension	7X0.14
Conductor cross-section (mm ²)	0.14 mm ²
Conductor material	Bare copper

Conductor design	fine-wire
Including protective conductor	No
Number of cores	7
Stranding type	Layered stranding
Shielded	Yes
Type of overall screen	Tin-plated copper braiding
Nominal outer diameter	4.9 mm
Shape of cable	Round
Core insulation base material	Polyvinylchloride
Core insulation base material, shortname	PVC
Base material of outer sheath	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Cable sheath colour	grey
Core identification	Colours
Core colour code	DIN 47100

Product features

Application area	Flexible Fixed installation
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in mm, fixed installation	29.4 mm
Minimum bending radius, occasionally moved	15 x outer diameter
Minimum bending radius in mm, occasionally flexing	73.5 mm
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 marked	Yes
EAC-certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
VDE certified	No
CPR fire class	Eca
Flame retardance tested according to UN /ECE-R118	No

UNITRONIC® LiYCY

Article No.	Name	Number of cores	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
0034302	UNITRONIC® LiYCY 2x0,14	2	0.14 mm ²	3.9 mm	12 kg/km	20 kg/km
0034303	UNITRONIC® LiYCY 3x0,14	3	0.14 mm ²	4.1 mm	13 kg/km	28 kg/km
0034304	UNITRONIC® LiYCY 4x0,14	4	0.14 mm ²	4.3 mm	14.3 kg/km	33 kg/km
0034305	UNITRONIC® LiYCY 5x0,14	5	0.14 mm ²	4.6 mm	15.5 kg/km	38 kg/km
0034306	UNITRONIC® LiYCY 6x0,14	6	0.14 mm ²	4.9 mm	18.2 kg/km	38 kg/km
0034307	UNITRONIC® LiYCY 7x0,14	7	0.14 mm ²	4.9 mm	19 kg/km	49 kg/km
0034308	UNITRONIC® LiYCY 8x0,14	8	0.14 mm ²	5.8 mm	21.2 kg/km	56 kg/km
0034310	UNITRONIC® LiYCY 10x0,14	10	0.14 mm ²	6.1 mm	28.5 kg/km	66 kg/km
0034312	UNITRONIC® LiYCY 12x0,14	12	0.14 mm ²	6.3 mm	30.4 kg/km	78 kg/km
0034314	UNITRONIC® LiYCY 14x0,14	14	0.14 mm ²	6.7 mm	32 kg/km	80 kg/km
0034315	UNITRONIC® LiYCY 15x0,14	15	0.14 mm ²	6.9 mm	37.8 kg/km	86 kg/km
0034316	UNITRONIC® LiYCY 16x0,14	16	0.14 mm ²	7 mm	43 kg/km	90 kg/km
0034318	UNITRONIC® LiYCY 18x0,14	18	0.14 mm ²	7.3 mm	48.8 kg/km	104 kg/km
0034320	UNITRONIC® LiYCY 20x0,14	20	0.14 mm ²	7.7 mm	53.9 kg/km	116 kg/km
0034321	UNITRONIC® LiYCY 21x0,14	21	0.14 mm ²	7.9 mm	55.5 kg/km	121 kg/km
0034324	UNITRONIC® LiYCY 24x0,14	24	0.14 mm ²	8.3 mm	61 kg/km	112 kg/km
0034325	UNITRONIC® LiYCY 25x0,14	25	0.14 mm ²	8.5 mm	63 kg/km	149 kg/km
0034328	UNITRONIC® LiYCY 28x0,14	28	0.14 mm ²	8.5 mm	66.1 kg/km	153 kg/km
0034330	UNITRONIC® LiYCY 30x0,14	30	0.14 mm ²	8.7 mm	69 kg/km	158 kg/km
0034336	UNITRONIC® LiYCY 36x0,14	36	0.14 mm ²	9.3 mm	83 kg/km	183 kg/km
0034340	UNITRONIC® LiYCY 40x0,14	40	0.14 mm ²	10.4 mm	87.5 kg/km	210 kg/km
0034344	UNITRONIC® LiYCY 44x0,14	44	0.14 mm ²	10.7 mm	110.5 kg/km	225 kg/km
0034350	UNITRONIC® LiYCY 50x0,14	50	0.14 mm ²	11.1 mm	122.5 kg/km	195 kg/km
0034402	UNITRONIC® LiYCY 2x0,25	2	0.25 mm ²	4.5 mm	16 kg/km	32 kg/km
0034403	UNITRONIC® LiYCY 3x0,25	3	0.25 mm ²	4.7 mm	21 kg/km	37 kg/km
0034404	UNITRONIC® LiYCY 4x0,25	4	0.25 mm ²	5 mm	24 kg/km	41 kg/km
0034405	UNITRONIC® LiYCY 5x0,25	5	0.25 mm ²	5.6 mm	29 kg/km	51 kg/km
0034406	UNITRONIC® LiYCY 6x0,25	6	0.25 mm ²	6 mm	30 kg/km	58 kg/km
0034407	UNITRONIC® LiYCY 7x0,25	7	0.25 mm ²	6 mm	37 kg/km	60 kg/km
0034408	UNITRONIC® LiYCY 8x0,25	8	0.25 mm ²	7.1 mm	42 kg/km	73 kg/km

Article No.	Name	Number of cores	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
0034410	UNITRONIC® LiYCY 10x0,25	10	0.25 mm ²	7.5 mm	46 kg/km	82 kg/km
0034412	UNITRONIC® LiYCY 12x0,25	12	0.25 mm ²	7.7 mm	53 kg/km	98 kg/km
0034414	UNITRONIC® LiYCY 14x0,25	14	0.25 mm ²	8 mm	59 kg/km	99 kg/km
0034415	UNITRONIC® LiYCY 15x0,25	15	0.25 mm ²	8.3 mm	61 kg/km	111 kg/km
0034416	UNITRONIC® LiYCY 16x0,25	16	0.25 mm ²	8.4 mm	64 kg/km	124 kg/km
0034418	UNITRONIC® LiYCY 18x0,25	18	0.25 mm ²	8.8 mm	83 kg/km	143 kg/km
0034420	UNITRONIC® LiYCY 20x0,25	20	0.25 mm ²	9.3 mm	88 kg/km	136 kg/km
0034421	UNITRONIC® LiYCY 21x0,25	21	0.25 mm ²	9.6 mm	93 kg/km	161 kg/km
0034425	UNITRONIC® LiYCY 25x0,25	25	0.25 mm ²	10.7 mm	114 kg/km	172 kg/km
0034428	UNITRONIC® LiYCY 28x0,25	28	0.25 mm ²	10.8 mm	126 kg/km	181 kg/km
0034432	UNITRONIC® LiYCY 32x0,25	32	0.25 mm ²	11.4 mm	138 kg/km	203 kg/km
0034436	UNITRONIC® LiYCY 36x0,25	36	0.25 mm ²	11.8 mm	148 kg/km	220 kg/km
0034440	UNITRONIC® LiYCY 40x0,25	40	0.25 mm ²	12.7 mm	157 kg/km	248 kg/km
0034450	UNITRONIC® LiYCY 50x0,25	50	0.25 mm ²	13.8 mm	178 kg/km	318 kg/km
0034461	UNITRONIC® LiYCY 61x0,25	61	0.25 mm ²	15 mm	205 kg/km	365 kg/km
0034502	UNITRONIC® LiYCY 2x0,34	2	0.34 mm ²	4.9 mm	21 kg/km	37 kg/km
0034503	UNITRONIC® LiYCY 3x0,34	3	0.34 mm ²	5.1 mm	27 kg/km	42 kg/km
0034504	UNITRONIC® LiYCY 4x0,34	4	0.34 mm ²	5.7 mm	28 kg/km	52 kg/km
0034505	UNITRONIC® LiYCY 5x0,34	5	0.34 mm ²	6.2 mm	30 kg/km	66 kg/km
0034506	UNITRONIC® LiYCY 6x0,34	6	0.34 mm ²	6.8 mm	45 kg/km	64 kg/km
0034507	UNITRONIC® LiYCY 7x0,34	7	0.34 mm ²	6.8 mm	48 kg/km	76 kg/km
0034508	UNITRONIC® LiYCY 8x0,34	8	0.34 mm ²	7.8 mm	52 kg/km	94 kg/km
0034510	UNITRONIC® LiYCY 10x0,34	10	0.34 mm ²	8.3 mm	74 kg/km	105 kg/km
0034512	UNITRONIC® LiYCY 12x0,34	12	0.34 mm ²	8.5 mm	80 kg/km	123 kg/km
0034514	UNITRONIC® LiYCY 14x0,34	14	0.34 mm ²	8.9 mm	86 kg/km	154 kg/km
0034515	UNITRONIC® LiYCY 15x0,34	15	0.34 mm ²	9.2 mm	90 kg/km	155 kg/km
0034516	UNITRONIC® LiYCY 16x0,34	16	0.34 mm ²	9.4 mm	94 kg/km	160 kg/km
0034518	UNITRONIC® LiYCY 18x0,34	18	0.34 mm ²	10.2 mm	103 kg/km	173 kg/km
0034520	UNITRONIC® LiYCY 20x0,34	20	0.34 mm ²	10.7 mm	112 kg/km	192 kg/km
0034521	UNITRONIC® LiYCY 21x0,34	21	0.34 mm ²	11.1 mm	116 kg/km	199 kg/km

Article No.	Name	Number of cores	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
0034525	UNITRONIC® LiYCY 25x0,34	25	0.34 mm ²	11.9 mm	135 kg/km	259 kg/km
0034528	UNITRONIC® LiYCY 28x0,34	28	0.34 mm ²	12 mm	153 kg/km	280 kg/km
0034530	UNITRONIC® LiYCY 30x0,34	30	0.34 mm ²	12.3 mm	159 kg/km	291 kg/km
0034532	UNITRONIC® LiYCY 32x0,34	32	0.34 mm ²	13 mm	165 kg/km	305 kg/km
0034536	UNITRONIC® LiYCY 36x0,34	36	0.34 mm ²	13.4 mm	179 kg/km	331 kg/km
0034540	UNITRONIC® LiYCY 40x0,34	40	0.34 mm ²	14.8 mm	200 kg/km	365 kg/km
0034550	UNITRONIC® LiYCY 50x0,34	50	0.34 mm ²	15.9 mm	235 kg/km	431 kg/km
0034602	UNITRONIC® LiYCY 2x0,5	2	0.5 mm ²	5.6 mm	29 kg/km	47 kg/km
0034603	UNITRONIC® LiYCY 3x0,5	3	0.5 mm ²	5.9 mm	38 kg/km	55 kg/km
0034604	UNITRONIC® LiYCY 4x0,5	4	0.5 mm ²	6.3 mm	43 kg/km	70 kg/km
0034605	UNITRONIC® LiYCY 5x0,5	5	0.5 mm ²	7 mm	51 kg/km	79 kg/km
0034606	UNITRONIC® LiYCY 6x0,5	6	0.5 mm ²	7.6 mm	59 kg/km	90 kg/km
0034607	UNITRONIC® LiYCY 7x0,5	7	0.5 mm ²	7.6 mm	65 kg/km	99 kg/km
0034608	UNITRONIC® LiYCY 8x0,5	8	0.5 mm ²	8.7 mm	70 kg/km	135 kg/km
0034610	UNITRONIC® LiYCY 10x0,5	10	0.5 mm ²	9.3 mm	88 kg/km	139 kg/km
0034612	UNITRONIC® LiYCY 12x0,5	12	0.5 mm ²	9.6 mm	99 kg/km	177 kg/km
0034618	UNITRONIC® LiYCY 18x0,5	18	0.5 mm ²	11.8 mm	134 kg/km	239 kg/km
0034620	UNITRONIC® LiYCY 20x0,5	20	0.5 mm ²	12.1 mm	149 kg/km	276 kg/km
0034625	UNITRONIC® LiYCY 25x0,5	25	0.5 mm ²	13.7 mm	211 kg/km	352 kg/km
0034630	UNITRONIC® LiYCY 30x0,5	30	0.5 mm ²	14.5 mm	230 kg/km	397 kg/km
0034702	UNITRONIC® LiYCY 2x0,75	2	0.75 mm ²	6 mm	38 kg/km	53 kg/km
0034703	UNITRONIC® LiYCY 3x0,75	3	0.75 mm ²	6.3 mm	49 kg/km	65 kg/km
0034704	UNITRONIC® LiYCY 4X0,75	4	0.75 mm ²	7 mm	58 kg/km	79 kg/km
0034705	UNITRONIC® LiYCY 5X0,75	5	0.75 mm ²	7.6 mm	67 kg/km	109 kg/km
0034707	UNITRONIC® LiYCY 7X0,75	7	0.75 mm ²	8.2 mm	100 kg/km	112 kg/km
0034710	UNITRONIC® LiYCY 10X0,75	10	0.75 mm ²	10.5 mm	130 kg/km	187 kg/km
0034712	UNITRONIC® LiYCY 12X0,75	12	0.75 mm ²	10.8 mm	154 kg/km	218 kg/km
0034718	UNITRONIC® LiYCY 18X0,75	18	0.75 mm ²	13 mm	195 kg/km	327 kg/km
0034725	UNITRONIC® LiYCY 25x0,75	25	0.75 mm ²	15.3 mm	280 kg/km	454 kg/km
0034730	UNITRONIC® LiYCY 30X0,75	30	0.75 mm ²	15.8 mm	312 kg/km	486 kg/km

Article No.	Name	Number of cores	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
0034802	UNITRONIC® LIYCY 2X1	2	1 mm ²	6.3 mm	43 kg/km	72 kg/km
0034803	UNITRONIC® LIYCY 3X1	3	1 mm ²	6.8 mm	56 kg/km	90 kg/km
0034804	UNITRONIC® LIYCY 4X1	4	1 mm ²	7.3 mm	68 kg/km	109 kg/km
0034805	UNITRONIC® LIYCY 5X1	5	1 mm ²	8 mm	79 kg/km	126 kg/km
0034807	UNITRONIC® LIYCY 7X1	7	1 mm ²	8.6 mm	118 kg/km	162 kg/km
0034810	UNITRONIC® LIYCY 10X1	10	1 mm ²	11.1 mm	140 kg/km	228 kg/km
0034812	UNITRONIC® LIYCY 12X1	12	1 mm ²	11.4 mm	168 kg/km	259 kg/km
0034818	UNITRONIC® LIYCY 18X1	18	1 mm ²	13.4 mm	252 kg/km	389 kg/km
0034825	UNITRONIC® LIYCY 25X1	25	1 mm ²	16.2 mm	335 kg/km	517 kg/km
0034902	UNITRONIC® LIYCY 2X1,5	2	1.5 mm ²	7.1 mm	58 kg/km	90 kg/km
0034903	UNITRONIC® LIYCY 3X1,5	3	1.5 mm ²	7.5 mm	74 kg/km	115 kg/km
0034904	UNITRONIC® LIYCY 4X1,5	4	1.5 mm ²	8.1 mm	108 kg/km	129 kg/km
0034905	UNITRONIC® LIYCY 5X1,5	5	1.5 mm ²	8.8 mm	129 kg/km	176 kg/km
0034907	UNITRONIC® LIYCY 7X1,5	7	1.5 mm ²	9.5 mm	164 kg/km	220 kg/km
0034912	UNITRONIC® LIYCY 12X1,5	12	1.5 mm ²	12.7 mm	254 kg/km	376 kg/km
0034918	UNITRONIC® LIYCY 18X1,5	18	1.5 mm ²	15.3 mm	350 kg/km	519 kg/km
0034925	UNITRONIC® LIYCY 25X1,5	25	1.5 mm ²	17.9 mm	550 kg/km	901 kg/km

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