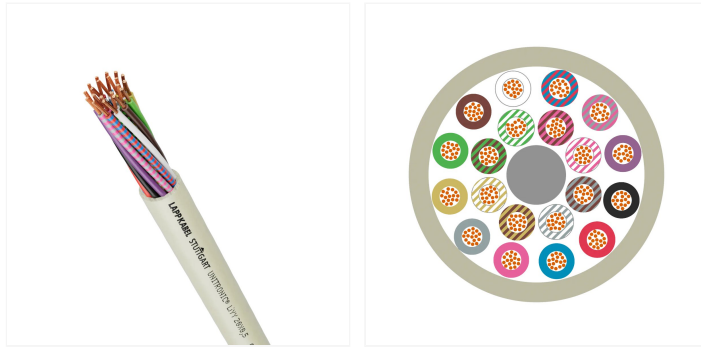


UNITRONIC® LiYY 12x0,34**Article No.:** 0028412

Low-frequency data cable; 12X0.34; Conductor color code: DIN 47100; PVC; Flexible

**Details****Benefits**

- Numerous dimensions available for wide range of applications.
- 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)	262.7 lb/10,000 ft

Electrical parameters

test voltage	1.5 kV
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Product design

Li-stranded cables	LiYY
Cable dimension	12X0.34
Nominal cross section conductor (mm ²)	0.34 mm ²
Conductor material	Bare Copper
Conductor design	fine-wire
Including protective ground	No
Number of cores	12
Stranding type	Layered Stranding
Shielded	No
Nominal outer diameter	0.307 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	4 x outer diameter
Minimum bending radius in inch, fixed installation	1.228 in
Minimum bending radius, occasionally moved	10 x outer diameter
Minimum bending radius in mm, occasionally moved	3.071 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	EAЭC N RU Д-DE.АЮ64.В.00130/20
VDE certified	No

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

UNITRONIC® LiYY

Article No.	Name	Number of cores	Nominal cross section conductor (mm ²)	Nominal outer diameter
0028202	UNITRONIC® LiYY 2x0,14	2	0.14 mm ²	0.126 in
0028203	UNITRONIC® LiYY 3x0,14	3	0.14 mm ²	0.134 in
0028204	UNITRONIC® LiYY 4x0,14	4	0.14 mm ²	0.142 in
0028205	UNITRONIC® LiYY 5x0,14	5	0.14 mm ²	0.154 in
0028207	UNITRONIC® LiYY 7x0,14	7	0.14 mm ²	0.165 in
0028208	UNITRONIC® LiYY 8x0,14	8	0.14 mm ²	0.193 in
0028210	UNITRONIC® LiYY 10x0,14	10	0.14 mm ²	0.205 in
0028212	UNITRONIC® LiYY 12x0,14	12	0.14 mm ²	0.22 in
0028214	UNITRONIC® LiYY 14x0,14	14	0.14 mm ²	0.228 in
0028216	UNITRONIC® LiYY 16x0,14	16	0.14 mm ²	0.24 in
0028220	UNITRONIC® LiYY 20x0,14	20	0.14 mm ²	0.276 in
0028225	UNITRONIC® LiYY 25x0,14	25	0.14 mm ²	0.307 in
0028236	UNITRONIC® LiYY 36x0,14	36	0.14 mm ²	0.339 in
0028237	UNITRONIC® LiYY 37x0,14	37	0.14 mm ²	0.35 in
0028240	UNITRONIC® LiYY 40x0,14	40	0.14 mm ²	0.366 in
0028250	UNITRONIC® LiYY 50x0,14	50	0.14 mm ²	0.409 in
0028256	UNITRONIC® LiYY 56x0,14	56	0.14 mm ²	0.421 in
0028302	UNITRONIC® LiYY 2x0,25	2	0.25 mm ²	0.15 in
0028303	UNITRONIC® LiYY 3x0,25	3	0.25 mm ²	0.157 in
0028304	UNITRONIC® LiYY 4x0,25	4	0.25 mm ²	0.169 in
0028305	UNITRONIC® LiYY 5x0,25	5	0.25 mm ²	0.185 in
0028306	UNITRONIC® LiYY 6x0,25	6	0.25 mm ²	0.201 in
0028307	UNITRONIC® LiYY 7x0,25	7	0.25 mm ²	0.201 in
0028308	UNITRONIC® LiYY 8x0,25	8	0.25 mm ²	0.244 in
0028310	UNITRONIC® LiYY 10x0,25	10	0.25 mm ²	0.268 in
0028312	UNITRONIC® LiYY 12x0,25	12	0.25 mm ²	0.276 in
0028314	UNITRONIC® LiYY 14x0,25	14	0.25 mm ²	0.287 in
0028316	UNITRONIC® LiYY 16x0,25	16	0.25 mm ²	0.303 in
0028318	UNITRONIC® LiYY 18x0,25	18	0.25 mm ²	0.319 in
0028320	UNITRONIC® LiYY 20x0,25	20	0.25 mm ²	0.339 in

Article No.	Name	Number of cores	Nominal cross section conductor (mm ²)	Nominal outer diameter
0028325	UNITRONIC® LiYY 25x0,25	25	0.25 mm ²	0.378 in
0028330	UNITRONIC® LiYY 30x0,25	30	0.25 mm ²	0.406 in
0028332	UNITRONIC® LiYY 32x0,25	32	0.25 mm ²	0.421 in
0028336	UNITRONIC® LiYY 36x0,25	36	0.25 mm ²	0.437 in
0028337	UNITRONIC® LiYY 37x0,25	37	0.25 mm ²	0.449 in
0028340	UNITRONIC® LiYY 40x0,25	40	0.25 mm ²	0.472 in
0028350	UNITRONIC® LiYY 50x0,25	50	0.25 mm ²	0.508 in
0028402	UNITRONIC® LiYY 2x0,34	2	0.34 mm ²	0.165 in
0028403	UNITRONIC® LiYY 3x0,34	3	0.34 mm ²	0.173 in
0028404	UNITRONIC® LiYY 4x0,34	4	0.34 mm ²	0.189 in
0028405	UNITRONIC® LiYY 5x0,34	5	0.34 mm ²	0.217 in
0028406	UNITRONIC® LiYY 6x0,34	6	0.34 mm ²	0.232 in
0028407	UNITRONIC® LiYY 7x0,34	7	0.34 mm ²	0.232 in
0028408	UNITRONIC® LiYY 8x0,34	8	0.34 mm ²	0.28 in
0028410	UNITRONIC® LiYY 10x0,34	10	0.34 mm ²	0.299 in
0028412	UNITRONIC® LiYY 12x0,34	12	0.34 mm ²	0.307 in
0028414	UNITRONIC® LiYY 14x0,34	14	0.34 mm ²	0.323 in
0028416	UNITRONIC® LiYY 16x0,34	16	0.34 mm ²	0.343 in
0028420	UNITRONIC® LiYY 20x0,34	20	0.34 mm ²	0.378 in
0028421	UNITRONIC® LiYY 21x0,34	21	0.34 mm ²	0.409 in
0028425	UNITRONIC® LiYY 25x0,34	25	0.34 mm ²	0.441 in
0028430	UNITRONIC® LiYY 30x0,34	30	0.34 mm ²	0.457 in
0028436	UNITRONIC® LiYY 36x0,34	36	0.34 mm ²	0.492 in
0028440	UNITRONIC® LiYY 40x0,34	40	0.34 mm ²	0.531 in
0028450	UNITRONIC® LiYY 50x0,34	50	0.34 mm ²	0.591 in
0028502	UNITRONIC® LiYY 2x0,5	2	0.5 mm ²	0.185 in
0028503	UNITRONIC® LiYY 3x0,5	3	0.5 mm ²	0.197 in
0028504	UNITRONIC® LiYY 4x0,5	4	0.5 mm ²	0.22 in
0028505	UNITRONIC® LiYY 5x0,5	5	0.5 mm ²	0.24 in
0028507	UNITRONIC® LiYY 7x0,5	7	0.5 mm ²	0.272 in

Article No.	Name	Number of cores	Nominal cross section conductor (mm ²)	Nominal outer diameter
0028508	UNITRONIC® LiYY 8x0,5	8	0.5 mm ²	0.315 in
0028510	UNITRONIC® LiYY 10x0,5	10	0.5 mm ²	0.339 in
0028512	UNITRONIC® LiYY 12x0,5	12	0.5 mm ²	0.35 in
0028516	UNITRONIC® LiYY 16x0,5	16	0.5 mm ²	0.402 in
0028520	UNITRONIC® LiYY 20x0,5	20	0.5 mm ²	0.449 in
0028525	UNITRONIC® LiYY 25x0,5	25	0.5 mm ²	0.5 in
0028530	UNITRONIC® LiYY 30x0,5	30	0.5 mm ²	0.52 in
0028540	UNITRONIC® LiYY 40x0,5	40	0.5 mm ²	0.622 in
0028602	UNITRONIC® LiYY 2x0,75	2	0.75 mm ²	0.201 in
0028603	UNITRONIC® LiYY 3x0,75	3	0.75 mm ²	0.22 in
0028604	UNITRONIC® LiYY 4x0,75	4	0.75 mm ²	0.24 in
0028605	UNITRONIC® LiYY 5x0,75	5	0.75 mm ²	0.272 in
0028607	UNITRONIC® LiYY 7x0,75	7	0.75 mm ²	0.295 in
0028608	UNITRONIC® LiYY 8x0,75	8	0.75 mm ²	0.343 in
0028610	UNITRONIC® LiYY 10x0,75	10	0.75 mm ²	0.37 in
0028612	UNITRONIC® LiYY 12x0,75	12	0.75 mm ²	0.398 in
0028616	UNITRONIC® LiYY 16x0,75	16	0.75 mm ²	0.441 in
0028620	UNITRONIC® LiYY 20x0,75	20	0.75 mm ²	0.488 in
0028625	UNITRONIC® LiYY 25x0,75	25	0.75 mm ²	0.551 in
0028702	UNITRONIC® LiYY 2x1	2	1 mm ²	0.22 in
0028703	UNITRONIC® LiYY 3x1	3	1 mm ²	0.232 in
0028704	UNITRONIC® LiYY 4x1	4	1 mm ²	0.252 in
0028705	UNITRONIC® LiYY 5x1	5	1 mm ²	0.287 in
0028802	UNITRONIC® LiYY 2x1,5	2	1.5 mm ²	0.244 in
0028803	UNITRONIC® LiYY 3x1,5	3	1.5 mm ²	0.268 in
0028804	UNITRONIC® LiYY 4x1,5	4	1.5 mm ²	0.291 in

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