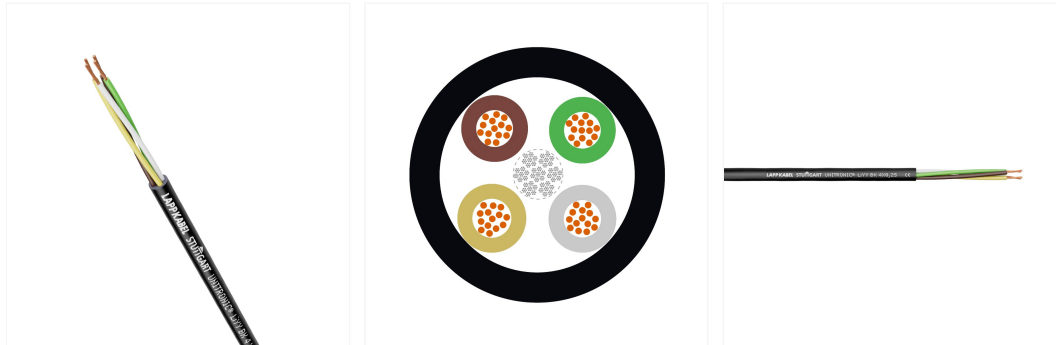


UNITRONIC® LiYY 6X0,34 BK**Article No.:** 1030241

Low-frequency data cable; 6X0.34; 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.
- For fixed installation.
- Can be used in dry and damp environments.
- Suitable for light mechanical stress.
- Suitable for outdoor use, subject to the temperature range.

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	131.71 lb/10000 ft
Industry segment	Agricultural & Farm Machinery

Electrical parameters

test voltage	1.5 kV
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Product design

Li-stranded cables	LiYY
Cable dimension	6X0.34
Nominal cross section conductor (mm ²)	0.34 mm ²
Conductor design	fine-wire
Including protective ground	No
Number of cores	6
Stranding type	Layered Stranding
Shielded	No
Nominal outer diameter	0.232 in
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	black
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	0.929 in
Minimum bending radius, occasionally moved	10 x outer diameter
Minimum bending radius in mm, occasionally moved	2.323 in
Temperature, fixed installation	-40 °C to 80 °C max. conductor temperature according to IEC
Temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature according to IEC
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	Yes
UV-resistant according to	EN 50525-1 (cables with a black jacket are suitable for permanent outdoor use)
weather resistant	Yes
Halogenfree	No
Oil resistant	No
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

Certifications and standards

CE marking	Yes
VDE certified	Yes

UNITRONIC® LiYY BK

Article No.	Name	Number of cores	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1030200	UNITRONIC® LiYY 2X0,14 BK	2	0.14 mm ²	0.126 in	18.14 lb/10000 ft
1030201	UNITRONIC® LiYY 3x0,14 BK	3	0.14 mm ²	0.134 in	27.22 lb/10000 ft
1030202	UNITRONIC® LiYY 4X0,14 BK	4	0.14 mm ²	0.142 in	36.29 lb/10000 ft
1030205	UNITRONIC® LiYY 8x0,14 BK	8	0.14 mm ²	0.193 in	68.54 lb/10000 ft
1030217	UNITRONIC® LiYY 2X0,25 BK	2	0.25 mm ²	0.15 in	32.26 lb/10000 ft
1030218	UNITRONIC® LiYY 3x0,25 BK	3	0.25 mm ²	0.157 in	48.38 lb/10000 ft
1030219	UNITRONIC® LiYY 4x0,25 BK	4	0.25 mm ²	0.169 in	64.51 lb/10000 ft
1030220	UNITRONIC® LiYY 5x0,25 BK	5	0.25 mm ²	0.185 in	80.64 lb/10000 ft
1030222	UNITRONIC® LiYY 7x0,25 BK	7	0.25 mm ²	0.201 in	112.89 lb/10000 ft
1030224	UNITRONIC® LiYY 10x0,25 BK	10	0.25 mm ²	0.268 in	161.27 lb/10000 ft
1030237	UNITRONIC® LiYY 2x0,34 BK	2	0.34 mm ²	0.165 in	44.35 lb/10000 ft
1030238	UNITRONIC® LiYY 3x0,34 BK	3	0.34 mm ²	0.173 in	66.53 lb/10000 ft
1030239	UNITRONIC® LiYY 4x0,34 BK	4	0.34 mm ²	0.189 in	88.03 lb/10000 ft
1030240	UNITRONIC® LiYY 5x0,34 BK	5	0.34 mm ²	0.217 in	110.88 lb/10000 ft
1030241	UNITRONIC® LiYY 6X0,34 BK	6	0.34 mm ²	0.232 in	131.71 lb/10000 ft
1030242	UNITRONIC® LiYY 7x0,34 BK	7	0.34 mm ²	0.232 in	153.21 lb/10000 ft
1030243	UNITRONIC® LiYY 8x0,34 BK	8	0.34 mm ²	0.28 in	175.38 lb/10000 ft
1030244	UNITRONIC® LiYY 10x0,34 BK	10	0.34 mm ²	0.299 in	219.06 lb/10000 ft
1030245	UNITRONIC® LiYY 12x0,34 BK	12	0.34 mm ²	0.307 in	262.74 lb/10000 ft
1030255	UNITRONIC® LiYY 2X0,5 BK	2	0.5 mm ²	0.185 in	64.51 lb/10000 ft
1030256	UNITRONIC® LiYY 3x0,5 BK	3	0.5 mm ²	0.197 in	96.76 lb/10000 ft
1030257	UNITRONIC® LiYY 4X0,5 BK	4	0.5 mm ²	0.22 in	129.02 lb/10000 ft
1030258	UNITRONIC® LiYY 5x0,5 BK	5	0.5 mm ²	0.24 in	161.27 lb/10000 ft
1030259	UNITRONIC® LiYY 7x0,5 BK	7	0.5 mm ²	0.272 in	225.78 lb/10000 ft
1030260	UNITRONIC® LiYY 8x0,5 BK	8	0.5 mm ²	0.315 in	258.04 lb/10000 ft
1030261	UNITRONIC® LiYY 10x0,5 BK	10	0.5 mm ²	0.339 in	322.55 lb/10000 ft
1030268	UNITRONIC® LiYY 2x0,75 BK	2	0.75 mm ²	0.201 in	96.76 lb/10000 ft
1030269	UNITRONIC® LiYY 3x0,75 BK	3	0.75 mm ²	0.22 in	145.15 lb/10000 ft
1030270	UNITRONIC® LiYY 4x0,75 BK	4	0.75 mm ²	0.24 in	193.53 lb/10000 ft
1030272	UNITRONIC® LiYY 7x0,75 BK	7	0.75 mm ²	0.295 in	335.99 lb/10000 ft

Article No.	Name	Number of cores	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
1030279	UNITRONIC® LIYY 2X1 BK	2	1 mm ²	0.22 in	129.02 lb/10000 ft
1030283	UNITRONIC® LiYY 2x1,5 BK	2	1.5 mm ²	0.244 in	194.87 lb/10000 ft

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