# UNITRONIC® LiYY BK

Data cable w/ colour code per DIN 47100, Black/ UV-resistant/ Outdoor use

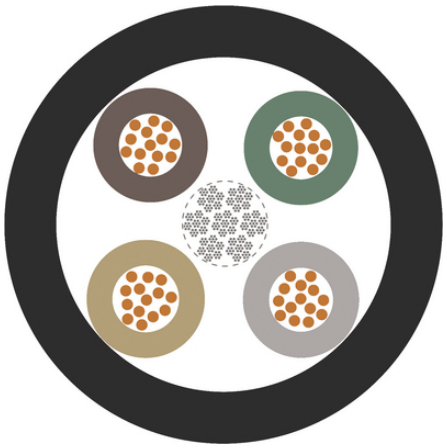
UNITRONIC<sup>®</sup> Low-freq PVC data cable DIN 47100 Flexible (0.34 mm² multi-wire) Flame retardant, Instrumentation Control Automation, Black UV-resistant Outdoor use

## Info

The classic for multi-functional use - in black
UV resistant/ Outdoor use
CPR: Article number choice under www.lappkabel.com/cpr







Suitable for outdoor use

UV-resistant

## Benefits

Space-saving installation due to small cable diameters
Multifunctional application possibilities
Depending on the quantity, the outer sheath can also be produced in other colours to match your application needs
Outdoor use according to European standards

## Application range

UNITRONIC® LiYY is also used as a control and signal cable in electronics of computer systems, electronic control equipment, office machines, balances, etc.
Dry or damp rooms
Occasional flexing
Outdoor use according to European standards

## Product features

Despite the large number of cores, LiYY data cables have small outer diameters
Flame-retardant according IEC 60332-1-2
UV resistant according to EN 50525-1

Last Update (27.10.2021)
©2021 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

# UNITRONIC® LiYY BK

Ozone-resistant

## Norm references / Approvals
Based on VDE 0812

## Product Make-up
Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
Core insulation made of PVC
Outer sheath made of PVC
Outer sheath colour: black

## Technical Data

| | |
|---|---|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000104<br>ETIM 6.0 Class-Description: Control cable |
| Core identification code: | DIN 47100 without colour repetition, refer to Appendix T9 |
| Mutual capacitance: | Approx. 120 nF/km |
| Inductivity: | approx. 0.65 mH/km |
| Conductor stranding: | Stranded, fine-wire<br>0.34 mm²: 7-wire |
| Minimum bending radius: | Occasional flexing: 10 x outer diameter<br>Fixed installation: 4 x outer diameter |
| Temperature range: | Occasional flexing: -5°C to +70°C<br>Fixed installation: -40°C to +80°C |

## Note
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.


©2021 Lapp Group - Technical changes reserved

LAPP

# UNITRONIC® LiYY BK

PRODUCT INFORMATION

| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|---|---|---|---|---|
| 1030200 | 2 x 0.14 | 3.2 | 2.7 | 13 |
| 1030201 | 3 x 0.14 | 3.4 | 4.05 | 16 |
| 1030202 | 4 x 0.14 | 3.6 | 5.4 | 18 |
| 1030203 | 5 x 0.14 | 3.9 | 6.72 | 22 |
| 1030204 | 7 x 0.14 | 4.2 | 9.45 | 28 |
| 1030205 | 8 x 0.14 | 4.9 | 10.2 | 35 |
| 1030206 | 10 x 0.14 | 5.2 | 13.5 | 41 |
| 1030207 | 12 x 0.14 | 5.6 | 16.2 | 48 |
| 1030208 | 14 x 0.14 | 5.8 | 18.9 | 52 |
| 1030209 | 16 x 0.14 | 6.1 | 21.6 | 59 |
| 1030210 | 20 x 0.14 | 7 | 27 | 70 |
| 1030211 | 25 x 0.14 | 7.8 | 33.6 | 87 |
| 1030212 | 36 x 0.14 | 8.6 | 48.6 | 126 |
| 1030213 | 37 x 0.14 | 8.9 | 49.7 | 118 |
| 1030214 | 40 x 0.14 | 9.3 | 54 | 139 |
| 1030215 | 50 x 0.14 | 10.4 | 67.5 | 170 |
| 1030217 | 2 x 0.25 | 3.8 | 4.8 | 18 |
| 1030218 | 3 x 0.25 | 4 | 7.2 | 22 |
| 1030219 | 4 x 0.25 | 4.3 | 9.6 | 26 |
| 1030220 | 5 x 0.25 | 4.7 | 12 | 31 |
| 1030221 | 6 x 0.25 | 5.1 | 14.4 | 42 |
| 1030222 | 7 x 0.25 | 5.1 | 16.8 | 42 |
| 1030223 | 8 x 0.25 | 6.2 | 19.2 | 49 |
| 1030224 | 10 x 0.25 | 6.8 | 24 | 58 |
| 1030225 | 12 x 0.25 | 7 | 28.8 | 67 |
| 1030226 | 14 x 0.25 | 7.3 | 33.6 | 75 |
| 1030227 | 16 x 0.25 | 7.7 | 38.4 | 84 |
| 1030228 | 18 x 0.25 | 8.1 | 43.2 | 93 |
| 1030229 | 20 x 0.25 | 8.6 | 48 | 102 |
| 1030230 | 25 x 0.25 | 9.6 | 60 | 134 |
| 1030231 | 30 x 0.25 | 10.3 | 72 | 155 |
| 1030232 | 32 x 0.25 | 10.7 | 76.8 | 164 |
| 1030233 | 36 x 0.25 | 11.1 | 86.4 | 182 |
| 1030234 | 37 x 0.25 | 11.4 | 88.8 | 185 |
| | | | | |

Last Update (27.10.2021)
©2021 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

LAPP

# UNITRONIC® LiYY BK

PRODUCT INFORMATION

| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|---|---|---|---|---|
| 1030235 | 40 x 0.25 | 12 | 96.1 | 200 |
| 1030236 | 50 x 0.25 | 12.9 | 120 | 257 |
| 1030237 | 2 x 0.34 | 4.2 | 6.6 | 25 |
| 1030238 | 3 x 0.34 | 4.4 | 9.9 | 31 |
| 1030239 | 4 x 0.34 | 4.8 | 13.1 | 43 |
| 1030240 | 5 x 0.34 | 5.5 | 16.5 | 53 |
| 1030241 | 6 x 0.34 | 5.9 | 19.6 | 53 |
| 1030242 | 7 x 0.34 | 5.9 | 22.8 | 62 |
| 1030243 | 8 x 0.34 | 7.1 | 26.1 | 73 |
| 1030244 | 10 x 0.34 | 7.6 | 32.6 | 82 |
| 1030245 | 12 x 0.34 | 7.8 | 39.1 | 102 |
| 1030246 | 14 x 0.34 | 8.2 | 45.7 | 109 |
| 1030247 | 16 x 0.34 | 8.7 | 52 | 127 |
| 1030248 | 20 x 0.34 | 9.6 | 65.2 | 159 |
| 1030249 | 21 x 0.34 | 10.4 | 68.6 | 167 |
| 1030250 | 25 x 0.34 | 11.2 | 81.6 | 190 |
| 1030251 | 30 x 0.34 | 11.6 | 98 | 226 |
| 1030252 | 36 x 0.34 | 12.5 | 118 | 284 |
| 1030253 | 40 x 0.34 | 13.5 | 131 | 317 |
| 1030254 | 50 x 0.34 | 15 | 163 | 407 |
| 1030255 | 2 x 0.5 | 4.7 | 9.6 | 30 |
| 1030256 | 3 x 0.5 | 5 | 14.4 | 39 |
| 1030257 | 4 x 0.5 | 5.6 | 19.2 | 49 |
| 1030258 | 5 x 0.5 | 6.1 | 24 | 65 |
| 1030259 | 7 x 0.5 | 6.9 | 33.6 | 82 |
| 1030260 | 8 x 0.5 | 8 | 38.4 | 90 |
| 1030261 | 10 x 0.5 | 8.6 | 48 | 117 |
| 1030262 | 12 x 0.5 | 8.9 | 58 | 133 |
| 1030263 | 16 x 0.5 | 10.2 | 77 | 170 |
| 1030264 | 20 x 0.5 | 11.4 | 96 | 214 |
| 1030265 | 25 x 0.5 | 12.7 | 120 | 265 |
| 1030266 | 30 x 0.5 | 13.2 | 144 | 304 |
| 1030267 | 40 x 0.5 | 15.8 | 192 | 392 |
| 1030268 | 2 x 0.75 | 5.1 | 14.4 | 48 |
| | | | | |

Last Update (27.10.2021)
©2021 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

LAPP

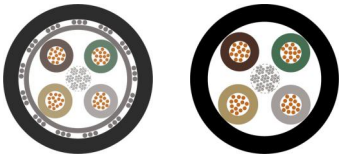
# UNITRONIC® LiYY BK

PRODUCT INFORMATION

| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|---|---|---|---|---|
| 1030269 | 3 x 0.75 | 5.6 | 21.6 | 57 |
| 1030270 | 4 x 0.75 | 6.1 | 28.8 | 69 |
| 1030271 | 5 x 0.75 | 6.9 | 36 | 78 |
| 1030272 | 7 x 0.75 | 7.5 | 50 | 112 |
| 1030273 | 8 x 0.75 | 8.7 | 58 | 126 |
| 1030274 | 10 x 0.75 | 9.4 | 72 | 149 |
| 1030275 | 12 x 0.75 | 10.1 | 86 | 176 |
| 1030276 | 16 x 0.75 | 11.2 | 115 | 218 |
| 1030277 | 20 x 0.75 | 12.4 | 144 | 274 |
| 1030278 | 25 x 0.75 | 14 | 180 | 320 |
| 1030279 | 2 x 1.0 | 5.6 | 19.2 | 55 |
| 1030280 | 3 x 1.0 | 5.9 | 29 | 70 |
| 1030281 | 4 x 1.0 | 6.4 | 38.4 | 79 |
| 1030282 | 5 x 1.0 | 7.3 | 48 | 98 |
| 1030283 | 2 x 1.5 | 6.2 | 29 | 74 |
| 1030284 | 3 x 1.5 | 6.8 | 43 | 89 |
| 1030285 | 4 x 1.5 | 7.4 | 58 | 105 |

Last Update (27.10.2021)
©2021 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

# UNITRONIC® LiYY BK



Last Update (27.10.2021)
©2021 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16