

UNITRONIC® LiYY BK

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

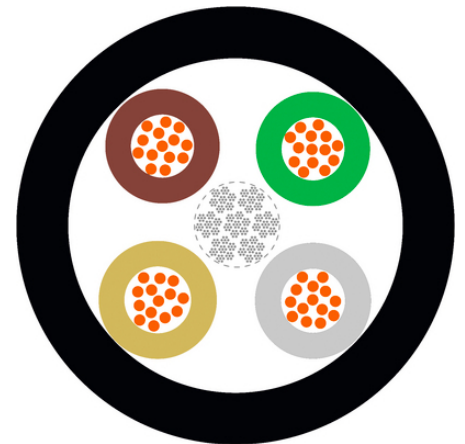
UNITRONIC® Low-freq PVC data cable DIN 47100 Flexible (0.34 mm² multi-wire) Flame retardant, Instrumentation Control Automation, Black UV-resistant Outdoor use

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

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You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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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 ETIM 5.0 Class-Description: Control cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000104 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 0.34 mm ² : 7-wire |
| Minimum bending radius: | Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter |
| Temperature range: | Occasional flexing: -5 °C to +70 °C 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.

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| Article number | Number of cores and mm ² 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 |

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| Article number | Number of cores and mm ² 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 |

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| Article number | Number of cores and mm ² 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 |

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