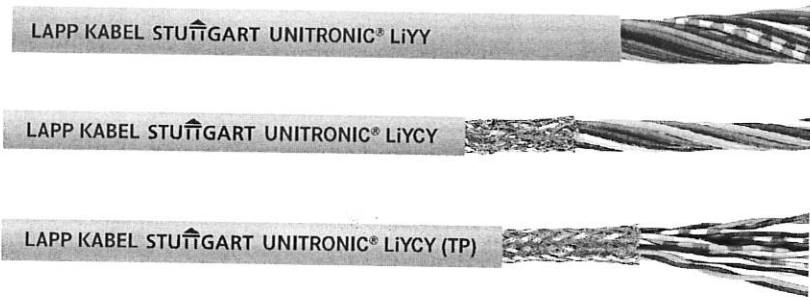


UNITRONIC® LiYY/LiYCY/LiYCY (TP)

Low-voltage multi-conductor & multi-pair communication & control cable; unshielded & shielded



■ Unshielded construction

Conductors: stranded bare copper

Insulation: PVC

Jacket: PVC; pebble gray

■ Shielded construction

Conductors: stranded bare copper

Insulation: PVC

Pairs: PVC

Shielding: tinned copper braid

Jacket: PVC; pebble gray

UNITRONIC® LiYY/LiYCY is a multi-conductor cable for communication, signal, and control applications. It is designed for general purpose installations of electrical machinery. UNITRONIC® LiYCY has a tinned copper braid for RFI & EMI protection. UNITRONIC® LiYCY (TP) is an overall-shielded multi-paired version for data, communication, and signal applications.

■ Recommended applications

RS-232; data buses; process control instrumentation; low-voltage signaling and interconnect; broadcast; applications with European DIN 47100 color code

■ Application advantage

- Extended temperature range of -40°C to +80°C
- European color code DIN 47100
- Flexible for easy installation

■ Approvals



| Cable attributes | | page 648 | |
|------------------|-------|----------|-------|
| OIL | OR-01 | FLAME | FR-02 |
| MOTION | FL-01 | MECH. | MP-01 |

Complete the installation



SKINTOP® strain relief
page 492



EPIC® connectors
page 284

■ Technical data

☑ Minimum bend radius:

- for installation: 4 x cable diameter
- shielded: 6 x cable diameter

Ⓛ Inductance:

- UNITRONIC® LiYY/LiYCY: nominal 0.65 mH/km
- UNITRONIC® LiYCY (TP): nominal 0.50 mH/km

🌡️ Temperature range:

- for stationary use: -40°C to +80°C
- for flexible use: -5°C to +70°C

⚖️ Mutual capacitance:

- conductor/conductor: 37 pF/ft
- conductor/shield: 48 pF/ft

⚡ Nominal voltage:

250V

🎨 Color code:

- UNITRONIC® LiYY/LiYCY: DIN 47100: chart 8, page 682
- UNITRONIC® LiYCY (TP): DIN 47100: chart 7, page 682

⚡ Test voltage:

- 26 AWG: 1200V
- larger than 26 AWG: 1500V

☑ Approvals:

based on VDE 0812
CE & RoHS

🔗 Conductor stranding:

fine wire

If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.

UNITRONIC® LIYY

| Part number | Number of conductors | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® SL PG thread |
|-------------------------------------|----------------------|------------------------------|------|-----------------------|------------------------|-----------------------|
| 26 AWG (0.14 mm²) | | | | | | |
| 0028202 | 2 | 0.126 | 3.2 | 2 | 9 | S1107 |
| 0028203 | 3 | 0.134 | 3.4 | 4 | 11 | S1107 |
| 0028204 | 4 | 0.142 | 3.6 | 5 | 13 | S1107 |
| 0028205 | 5 | 0.154 | 3.9 | 6 | 15 | S1107 |
| 0028207 | 7 | 0.165 | 4.2 | 8 | 19 | S1107 |
| 0028208 | 8 | 0.193 | 4.9 | 7 | 24 | S1107 |
| 0028210 | 10 | 0.205 | 5.2 | 10 | 28 | S1107 |
| 0028212 | 12 | 0.220 | 5.6 | 12 | 32 | S1107 |
| 0028214 | 14 | 0.228 | 5.8 | 14 | 36 | S1107 |
| 0028216 | 16 | 0.240 | 6.1 | 16 | 40 | S1107 |
| 0028220 | 20 | 0.276 | 7.0 | 19 | 48 | S1111 |
| 0028225 | 25 | 0.307 | 7.8 | 23 | 58 | S1111 |
| 0028236 | 36 | 0.339 | 8.6 | 33 | 85 | S1111 |
| 0028237 | 37 | 0.350 | 8.9 | 34 | 79 | S1111 |
| 0028240 | 40 | 0.366 | 9.3 | 37 | 93 | S1111 |
| 0028250 | 50 | 0.409 | 10.4 | 46 | 115 | S1113 |
| 0028256 | 56 | 0.421 | 10.7 | 53 | 126 | S1113 |
| 24 AWG (0.25 mm²) | | | | | | |
| 0028302 | 2 | 0.150 | 3.8 | 4 | 12 | S1107 |
| 0028303 | 3 | 0.157 | 4.0 | 5 | 15 | S1107 |
| 0028304 | 4 | 0.169 | 4.3 | 7 | 17 | S1107 |
| 0028305 | 5 | 0.185 | 4.7 | 9 | 21 | S1107 |
| 0028307 | 7 | 0.201 | 5.1 | 12 | 28 | S1107 |
| 0028308 | 8 | 0.244 | 6.2 | 13 | 33 | S1107 |
| 0028310 | 10 | 0.268 | 6.8 | 17 | 39 | S1109 |
| 0028312 | 12 | 0.276 | 7.0 | 20 | 45 | S1111 |
| 0028314 | 14 | 0.287 | 7.3 | 23 | 50 | S1111 |
| 0028316 | 16 | 0.303 | 7.7 | 26 | 56 | S1111 |
| 0028318 | 18 | 0.319 | 8.1 | 30 | 62 | S1111 |
| 0028320 | 20 | 0.339 | 8.6 | 33 | 69 | S1111 |
| 0028325 | 25 | 0.378 | 9.6 | 41 | 90 | S1113 |
| 0028330 | 30 | 0.406 | 10.3 | 49 | 104 | S1113 |
| 0028332 | 32 | 0.421 | 10.7 | 52 | 110 | S1113 |
| 0028336 | 36 | 0.437 | 11.1 | 59 | 122 | S1113 |
| 0028337 | 37 | 0.449 | 11.4 | 60 | 124 | S1113 |
| 0028340 | 40 | 0.472 | 12.0 | 65 | 134 | S1116 |
| 0028350 | 50 | 0.508 | 12.9 | 81 | 173 | S1116 |

| Part number | Number of conductors | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® SL PG thread |
|-------------------------------------|----------------------|------------------------------|------|-----------------------|------------------------|-----------------------|
| 22 AWG (0.34 mm²) | | | | | | |
| 0028402 | 2 | 0.165 | 4.2 | 5 | 17 | S1107 |
| 0028403 | 3 | 0.173 | 4.4 | 7 | 21 | S1107 |
| 0028404 | 4 | 0.189 | 4.8 | 9 | 29 | S1107 |
| 0028405 | 5 | 0.217 | 5.5 | 12 | 36 | S1107 |
| 0028407 | 7 | 0.232 | 5.9 | 16 | 42 | S1107 |
| 0028408 | 8 | 0.280 | 7.1 | 18 | 49 | S1111 |
| 0028410 | 10 | 0.299 | 7.6 | 22 | 55 | S1111 |
| 0028412 | 12 | 0.307 | 7.8 | 27 | 69 | S1111 |
| 0028414 | 14 | 0.323 | 8.2 | 31 | 73 | S1111 |
| 0028416 | 16 | 0.343 | 8.7 | 35 | 85 | S1111 |
| 0028420 | 20 | 0.378 | 9.6 | 44 | 107 | S1113 |
| 0028421 | 21 | 0.409 | 10.4 | 47 | 112 | S1113 |
| 0028425 | 25 | 0.441 | 11.2 | 55 | 128 | S1113 |
| 0028430 | 30 | 0.457 | 11.6 | 66 | 152 | S1113 |
| 0028436 | 36 | 0.492 | 12.5 | 80 | 191 | S1116 |
| 0028440 | 40 | 0.531 | 13.5 | 89 | 213 | S1121 |
| 0028450 | 50 | 0.591 | 15.0 | 110 | 274 | S1121 |
| 20 AWG (0.5 mm²) | | | | | | |
| 0028502 | 2 | 0.185 | 4.7 | 7 | 27 | S1107 |
| 0028503 | 3 | 0.197 | 5.0 | 10 | 32 | S1107 |
| 0028504 | 4 | 0.220 | 5.6 | 13 | 38 | S1107 |
| 0028505 | 5 | 0.240 | 6.1 | 17 | 44 | S1107 |
| 0028507 | 7 | 0.272 | 6.9 | 23 | 55 | S1109 |
| 0028508 | 8 | 0.315 | 8.0 | 26 | 60 | S1111 |
| 0028510 | 10 | 0.339 | 8.6 | 33 | 79 | S1111 |
| 0028512 | 12 | 0.350 | 8.9 | 39 | 89 | S1111 |
| 0028516 | 16 | 0.402 | 10.2 | 52 | 114 | S1113 |
| 0028520 | 20 | 0.449 | 11.4 | 65 | 144 | S1113 |
| 0028525 | 25 | 0.484 | 12.3 | 81 | 178 | S1116 |
| 0028530 | 30 | 0.520 | 13.2 | 98 | 204 | S1116 |
| 0028540 | 40 | 0.622 | 15.8 | 130 | 263 | S1121 |
| 18 AWG (1 mm²) | | | | | | |
| 0028702 | 2 | 0.220 | 5.6 | 13 | 37 | S1107 |
| 0028703 | 3 | 0.232 | 5.9 | 20 | 47 | S1107 |
| 0028705 | 5 | 0.287 | 7.3 | 33 | 66 | S1111 |
| 16 AWG (1.5 mm²) | | | | | | |
| 0028802 | 2 | 0.268 | 6.8 | 20 | 50 | S1109 |
| 0028803 | 3 | 0.283 | 7.2 | 30 | 60 | S1111 |
| 0028804 | 4 | 0.307 | 7.8 | 40 | 71 | S1111 |

UNITRONIC® LIYCY

| Part number | Number of conductors | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® MS-SC PG thread |
|-------------------------------------|----------------------|------------------------------|------|-----------------------|------------------------|--------------------------|
| 26 AWG (0.14 mm²) | | | | | | |
| 0034302 | 2 | 0.154 | 3.9 | 9 | 13 | 53112210 |
| 0034303 | 3 | 0.161 | 4.1 | 9 | 19 | 53112210 |
| 0034304 | 4 | 0.169 | 4.3 | 10 | 22 | 53112210 |
| 0034305 | 5 | 0.181 | 4.6 | 11 | 26 | 53112210 |
| 0034306 | 6 | 0.193 | 4.9 | 13 | 26 | 53112210 |
| 0034307 | 7 | 0.193 | 4.9 | 13 | 33 | 53112210 |
| 0034308 | 8 | 0.228 | 5.8 | 15 | 38 | 53112210 |
| 0034310 | 10 | 0.240 | 6.1 | 20 | 44 | 53112210 |
| 0034312 | 12 | 0.248 | 6.3 | 21 | 52 | 53112210 |
| 0034314 | 14 | 0.264 | 6.7 | 22 | 54 | 53112210 |
| 0034315 | 15 | 0.272 | 6.9 | 26 | 58 | 53112210 |
| 0034316 | 16 | 0.276 | 7.0 | 29 | 60 | 53112210 |
| 0034318 | 18 | 0.287 | 7.3 | 33 | 70 | 53112220 |
| 0034320 | 20 | 0.303 | 7.7 | 37 | 78 | 53112220 |
| 0034321 | 21 | 0.311 | 7.9 | 38 | 81 | 53112220 |
| 0034325 | 25 | 0.331 | 8.4 | 43 | 100 | 53112220 |
| 0034328 | 28 | 0.335 | 8.5 | 45 | 103 | 53112220 |
| 0034330 | 30 | 0.343 | 8.7 | 47 | 106 | 53112220 |
| 0034332 | 32 | 0.354 | 9.0 | 50 | 110 | 53112220 |
| 0034336 | 36 | 0.366 | 9.3 | 56 | 123 | 53112230 |
| 0034340 | 40 | 0.409 | 10.4 | 59 | 141 | 53112230 |
| 0034344 | 44 | 0.421 | 10.7 | 75 | 151 | 53112230 |
| 0034350 | 50 | 0.437 | 11.1 | 83 | 170 | 53112230 |

| Part number | Number of conductors | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® MS-SC PG thread |
|-------------------------------------|----------------------|------------------------------|------|-----------------------|------------------------|--------------------------|
| 24 AWG (0.25 mm²) | | | | | | |
| 0034402 | 2 | 0.177 | 4.5 | 11 | 22 | 53112210 |
| 0034403 | 3 | 0.185 | 4.7 | 15 | 25 | 53112210 |
| 0034404 | 4 | 0.197 | 5.0 | 17 | 28 | 53112210 |
| 0034405 | 5 | 0.220 | 5.6 | 20 | 34 | 53112210 |
| 0034406 | 6 | 0.236 | 6.0 | 21 | 39 | 53112210 |
| 0034407 | 7 | 0.236 | 6.0 | 25 | 44 | 53112210 |
| 0034408 | 8 | 0.280 | 7.1 | 29 | 49 | 53112210 |
| 0034410 | 10 | 0.295 | 7.5 | 31 | 55 | 53112220 |
| 0034412 | 12 | 0.303 | 7.7 | 36 | 66 | 53112220 |
| 0034414 | 14 | 0.315 | 8.0 | 40 | 67 | 53112220 |
| 0034415 | 15 | 0.327 | 8.3 | 41 | 75 | 53112220 |
| 0034416 | 16 | 0.331 | 8.4 | 44 | 83 | 53112220 |
| 0034418 | 18 | 0.346 | 8.8 | 56 | 96 | 53112220 |
| 0034420 | 20 | 0.366 | 9.3 | 60 | 102 | 53112230 |
| 0034421 | 21 | 0.378 | 9.6 | 63 | 108 | 53112230 |
| 0034425 | 25 | 0.421 | 10.7 | 77 | 116 | 53112230 |
| 0034428 | 28 | 0.425 | 10.8 | 85 | 122 | 53112230 |
| 0034430 | 30 | 0.433 | 11.0 | 89 | 127 | 53112230 |
| 0034432 | 32 | 0.449 | 11.4 | 93 | 136 | 53112240 |
| 0034436 | 36 | 0.465 | 11.8 | 100 | 148 | 53112240 |
| 0034440 | 40 | 0.500 | 12.7 | 106 | 167 | 53112250 |
| 0034450 | 50 | 0.543 | 13.8 | 120 | 214 | 53112250 |
| 0034461 | 61 | 0.591 | 15.0 | 138 | 245 | 53112250 |

Recommended SKINTOP[®] assumes minimal OD variance. Additional configurations are available; please see our SKINTOP[®] section. If not otherwise specified, all values relating to the product are nominal values.

UNITRONIC® LiYCY

| Part number | Number of conductors | Nominal outer diameter | | Copper weight | Approx. weight | SKINTOP® MS-SC |
|-------------------------------------|----------------------|------------------------|------|---------------|----------------|----------------|
| | | in | mm | lbs/mft | lbs/mft | PG thread |
| 22 AWG (0.34 mm²) | | | | | | |
| 0034502 | 2 | 0.193 | 4.9 | 15 | 25 | 53112210 |
| 0034503 | 3 | 0.201 | 5.1 | 19 | 33 | 53112210 |
| 0034504 | 4 | 0.224 | 5.7 | 19 | 40 | 53112210 |
| 0034505 | 5 | 0.244 | 6.2 | 21 | 44 | 53112210 |
| 0034506 | 6 | 0.268 | 6.8 | 31 | 53 | 53112210 |
| 0034507 | 7 | 0.268 | 6.8 | 33 | 56 | 53112210 |
| 0034508 | 8 | 0.307 | 7.8 | 35 | 63 | 53112220 |
| 0034510 | 10 | 0.327 | 8.3 | 50 | 87 | 53112220 |
| 0034512 | 12 | 0.335 | 8.5 | 54 | 95 | 53112220 |
| 0034514 | 14 | 0.350 | 8.9 | 58 | 103 | 53112220 |
| 0034515 | 15 | 0.362 | 9.2 | 61 | 104 | 53112220 |
| 0034516 | 16 | 0.370 | 9.4 | 64 | 108 | 53112230 |
| 0034518 | 18 | 0.402 | 10.2 | 70 | 116 | 53112230 |
| 0034520 | 20 | 0.421 | 10.7 | 76 | 129 | 53112230 |
| 0034521 | 21 | 0.437 | 11.1 | 78 | 134 | 53112230 |
| 0034525 | 25 | 0.469 | 11.9 | 91 | 174 | 53112240 |
| 0034528 | 28 | 0.472 | 12.0 | 103 | 188 | 53112240 |
| 0034530 | 30 | 0.484 | 12.3 | 107 | 196 | 53112240 |
| 0034532 | 32 | 0.512 | 13.0 | 111 | 205 | 53112240 |
| 0034536 | 36 | 0.528 | 13.4 | 121 | 222 | 53112240 |
| 0034540 | 40 | 0.583 | 14.8 | 135 | 245 | 53112250 |
| 0034550 | 50 | 0.626 | 15.9 | 158 | 290 | 53112250 |
| 20 AWG (0.5 mm²) | | | | | | |
| 0034602 | 2 | 0.220 | 5.6 | 20 | 36 | 53112210 |
| 0034603 | 3 | 0.232 | 5.9 | 26 | 45 | 53112210 |
| 0034604 | 4 | 0.248 | 6.3 | 29 | 52 | 53112210 |
| 0034605 | 5 | 0.276 | 7.0 | 35 | 60 | 53112210 |

| Part number | Number of conductors | Nominal outer diameter | | Copper weight | Approx. weight | SKINTOP® MS-SC |
|------------------------------------|----------------------|------------------------|------|---------------|----------------|----------------|
| | | in | mm | lbs/mft | lbs/mft | PG thread |
| 0034606 | 6 | 0.299 | 7.6 | 40 | 70 | 53112220 |
| 0034607 | 7 | 0.299 | 7.6 | 44 | 75 | 53112220 |
| 0034608 | 8 | 0.343 | 8.7 | 48 | 91 | 53112220 |
| 0034610 | 10 | 0.366 | 9.3 | 60 | 108 | 53112230 |
| 0034612 | 12 | 0.378 | 9.6 | 67 | 119 | 53112230 |
| 0034618 | 18 | 0.465 | 11.8 | 91 | 161 | 53112240 |
| 0034620 | 20 | 0.476 | 12.1 | 101 | 185 | 53112240 |
| 0034625 | 25 | 0.539 | 13.7 | 142 | 237 | 53112250 |
| 0034630 | 30 | 0.571 | 14.5 | 155 | 267 | 53112250 |
| 18 AWG (1 mm²) | | | | | | |
| 0034802 | 2 | 0.248 | 6.3 | 29 | 48 | 53112210 |
| 0034803 | 3 | 0.268 | 6.8 | 38 | 60 | 53112210 |
| 0034804 | 4 | 0.287 | 7.3 | 46 | 73 | 53112220 |
| 0034805 | 5 | 0.315 | 8.0 | 54 | 85 | 53112220 |
| 0034807 | 7 | 0.339 | 8.6 | 80 | 115 | 53112220 |
| 0034810 | 10 | 0.437 | 11.1 | 95 | 153 | 53112230 |
| 0034812 | 12 | 0.449 | 11.4 | 113 | 174 | 53112240 |
| 0034818 | 18 | 0.528 | 13.4 | 170 | 261 | 53112240 |
| 0034825 | 25 | 0.638 | 16.2 | 226 | 347 | 53112250 |
| 16 AWG (1.5 mm²) | | | | | | |
| 0034902 | 2 | 0.295 | 7.5 | 39 | 60 | 53112220 |
| 0034903 | 3 | 0.311 | 7.9 | 50 | 77 | 53112220 |
| 0034904 | 4 | 0.335 | 8.5 | 73 | 103 | 53112220 |
| 0034905 | 5 | 0.366 | 9.3 | 87 | 118 | 53112230 |
| 0034907 | 7 | 0.413 | 10.5 | 111 | 148 | 53112230 |
| 0034912 | 12 | 0.539 | 13.7 | 171 | 253 | 53112250 |
| 0034918 | 18 | 0.642 | 16.3 | 236 | 349 | 53112250 |
| 0034925 | 25 | 0.783 | 19.9 | 370 | 605 | 53112260 |

UNITRONIC® LiYCY (TP)

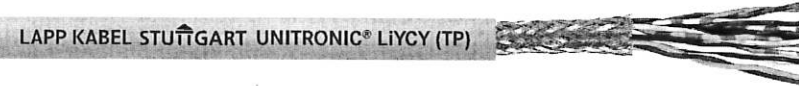
| Part number | Number of pairs | Nominal outer diameter | | Copper weight | Approx. weight | SKINTOP® MS-SC |
|-------------------------------------|-----------------|------------------------|------|---------------|----------------|----------------|
| | | in | mm | lbs/mft | lbs/mft | PG thread |
| 26 AWG (0.14 mm²) | | | | | | |
| 0035131 | 2 | 0.224 | 5.7 | 13 | 26 | 53112210 |
| 0035141 | 3 | 0.228 | 5.8 | 16 | 32 | 53112210 |
| 0035132 | 4 | 0.244 | 6.2 | 18 | 36 | 53112210 |
| 0035133 | 6 | 0.280 | 7.1 | 33 | 57 | 53112210 |
| 0035150 | 8 | 0.323 | 8.2 | 37 | 65 | 53112220 |
| 0035134 | 10 | 0.343 | 8.7 | 40 | 74 | 53112220 |
| 0035135 | 12 | 0.350 | 8.9 | 45 | 95 | 53112220 |
| 0035136 | 16 | 0.402 | 10.2 | 54 | 103 | 53112230 |
| 0035142 | 20 | 0.445 | 11.3 | 66 | 124 | 53112240 |
| 0035137 | 25 | 0.492 | 12.5 | 76 | 160 | 53112240 |
| 24 AWG (0.25 mm²) | | | | | | |
| 0035800 | 2 | 0.248 | 6.3 | 19 | 36 | 53112210 |
| 0035801 | 3 | 0.280 | 7.1 | 27 | 46 | 53112210 |
| 0035802 | 4 | 0.299 | 7.6 | 31 | 54 | 53112220 |
| 0035803 | 6 | 0.335 | 8.5 | 47 | 77 | 53112220 |
| 0035804 | 8 | 0.406 | 10.3 | 52 | 87 | 53112230 |
| 0035805 | 10 | 0.433 | 11.0 | 69 | 106 | 53112230 |
| 0035806 | 12 | 0.445 | 11.3 | 81 | 128 | 53112240 |
| 0035807 | 16 | 0.492 | 12.5 | 99 | 160 | 53112240 |
| 0035808 | 25 | 0.634 | 16.1 | 138 | 231 | 53112250 |

| Part number | Number of pairs | Nominal outer diameter | | Copper weight | Approx. weight | SKINTOP® MS-SC |
|------------------------------------|-----------------|------------------------|------|---------------|----------------|----------------|
| | | in | mm | lbs/mft | lbs/mft | PG thread |
| 20 AWG (0.5 mm²) | | | | | | |
| 0035810 | 2 | 0.339 | 8.6 | 33 | 62 | 53112220 |
| 0035811 | 3 | 0.343 | 8.7 | 50 | 87 | 53112220 |
| 0035812 | 4 | 0.370 | 9.4 | 56 | 98 | 53112230 |
| 0035813 | 6 | 0.437 | 11.1 | 74 | 133 | 53112230 |
| 0035814 | 8 | 0.516 | 13.1 | 94 | 174 | 53112240 |
| 0035816 | 12 | 0.587 | 14.9 | 134 | 238 | 53112250 |
| 0035817 | 16 | 0.650 | 16.5 | 162 | 308 | 53112250 |
| 18 AWG (1 mm²) | | | | | | |
| 0035830 | 2 | 0.354 | 9.0 | 57 | 95 | 53112220 |
| 0035831 | 3 | 0.409 | 10.4 | 65 | 116 | 53112230 |
| 0035832 | 4 | 0.445 | 11.3 | 82 | 142 | 53112240 |
| 0035836 | 5 | 0.465 | 11.8 | 109 | 179 | 53112240 |

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values.

UNITRONIC® LiYY/LiYCY/LiYCY (TP)

Low-voltage multi-conductor & multi-pair communication & control cable; unshielded & shielded



UNITRONIC® LiYY/LiYCY is a multi-conductor cable for communication, signal, and control applications. It is designed for general purpose installations of electrical machinery. UNITRONIC® LiYCY has a tinned copper braid for RFI & EMI protection. UNITRONIC® LiYCY (TP) is an overall-shielded multi-paired version for data, communication, and signal applications.

■ Unshielded construction

Conductors: stranded bare copper

Insulation: PVC

Jacket: PVC; pebble gray

■ Shielded construction

Conductors: stranded bare copper

Insulation: PVC

Pairs: PVC

Shielding: tinned copper braid

Jacket: PVC; pebble gray

■ Recommended applications

RS-232; data buses; process control instrumentation; low-voltage signaling and interconnect; broadcast; applications with European DIN 47100 color code

■ Application advantage

- Extended temperature range of -40°C to +80°C
- European color code DIN 47100
- Flexible for easy installation

■ Approvals



| Cable attributes | | page 648 | |
|------------------|-------|----------|-------|
| OIL | OR-01 | FLAME | FR-02 |
| MOTION | FL-01 | MECH. | MP-01 |

| Complete the installation | |
|---------------------------|----------|
| SKINTOP® strain relief | page 492 |
| EPIC® connectors | page 284 |

■ Technical data

| | |
|---|--|
| <p> Minimum bend radius:</p> <ul style="list-style-type: none"> - for installation: 4 x cable diameter - shielded: 6 x cable diameter <p> Temperature range:</p> <ul style="list-style-type: none"> - for stationary use: -40°C to +80°C - for flexible use: -5°C to +70°C <p> Nominal voltage: 250V</p> <p> Test voltage:</p> <ul style="list-style-type: none"> - 26 AWG: 1200V - larger than 26 AWG: 1500V <p> Conductor stranding: fine wire</p> | <p> Inductance:</p> <ul style="list-style-type: none"> - UNITRONIC® LiYY/LiYCY: nominal 0.65 mH/km - UNITRONIC® LiYCY (TP): nominal 0.50 mH/km <p> Mutual capacitance:</p> <ul style="list-style-type: none"> - conductor/conductor: 37 pF/ft - conductor/shield: 48 pF/ft <p> Color code:</p> <ul style="list-style-type: none"> - UNITRONIC® LiYY/LiYCY: DIN 47100: chart 8, page 682 - UNITRONIC® LiYCY (TP): DIN 47100: chart 7, page 682 <p> Approvals: based on VDE 0812 CE & RoHS</p> |
|---|--|

If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.

UNITRONIC® LiYY

| Part number | Number of conductors | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® SL PG thread |
|-------------------------------------|----------------------|------------------------------|------|-----------------------|------------------------|-----------------------|
| 26 AWG (0.14 mm²) | | | | | | |
| 0028202 | 2 | 0.126 | 3.2 | 2 | 9 | S1107 |
| 0028203 | 3 | 0.134 | 3.4 | 4 | 11 | S1107 |
| 0028204 | 4 | 0.142 | 3.6 | 5 | 13 | S1107 |
| 0028205 | 5 | 0.154 | 3.9 | 6 | 15 | S1107 |
| 0028207 | 7 | 0.165 | 4.2 | 8 | 19 | S1107 |
| 0028208 | 8 | 0.193 | 4.9 | 7 | 24 | S1107 |
| 0028210 | 10 | 0.205 | 5.2 | 10 | 28 | S1107 |
| 0028212 | 12 | 0.220 | 5.6 | 12 | 32 | S1107 |
| 0028214 | 14 | 0.228 | 5.8 | 14 | 36 | S1107 |
| 0028216 | 16 | 0.240 | 6.1 | 16 | 40 | S1107 |
| 0028220 | 20 | 0.276 | 7.0 | 19 | 48 | S1111 |
| 0028225 | 25 | 0.307 | 7.8 | 23 | 58 | S1111 |
| 0028236 | 36 | 0.339 | 8.6 | 33 | 85 | S1111 |
| 0028237 | 37 | 0.350 | 8.9 | 34 | 79 | S1111 |
| 0028240 | 40 | 0.366 | 9.3 | 37 | 93 | S1111 |
| 0028250 | 50 | 0.409 | 10.4 | 46 | 115 | S1113 |
| 0028256 | 56 | 0.421 | 10.7 | 53 | 126 | S1113 |
| 24 AWG (0.25 mm²) | | | | | | |
| 0028302 | 2 | 0.150 | 3.8 | 4 | 12 | S1107 |
| 0028303 | 3 | 0.157 | 4.0 | 5 | 15 | S1107 |
| 0028304 | 4 | 0.169 | 4.3 | 7 | 17 | S1107 |
| 0028305 | 5 | 0.185 | 4.7 | 9 | 21 | S1107 |
| 0028307 | 7 | 0.201 | 5.1 | 12 | 28 | S1107 |
| 0028308 | 8 | 0.244 | 6.2 | 13 | 33 | S1107 |
| 0028310 | 10 | 0.268 | 6.8 | 17 | 39 | S1109 |
| 0028312 | 12 | 0.276 | 7.0 | 20 | 45 | S1111 |
| 0028314 | 14 | 0.287 | 7.3 | 23 | 50 | S1111 |
| 0028316 | 16 | 0.303 | 7.7 | 26 | 56 | S1111 |
| 0028318 | 18 | 0.319 | 8.1 | 30 | 62 | S1111 |
| 0028320 | 20 | 0.339 | 8.6 | 33 | 69 | S1111 |
| 0028325 | 25 | 0.378 | 9.6 | 41 | 90 | S1113 |
| 0028330 | 30 | 0.406 | 10.3 | 49 | 104 | S1113 |
| 0028332 | 32 | 0.421 | 10.7 | 52 | 110 | S1113 |
| 0028336 | 36 | 0.437 | 11.1 | 59 | 122 | S1113 |
| 0028337 | 37 | 0.449 | 11.4 | 60 | 124 | S1113 |
| 0028340 | 40 | 0.472 | 12.0 | 65 | 134 | S1116 |
| 0028350 | 50 | 0.508 | 12.9 | 81 | 173 | S1116 |

| Part number | Number of conductors | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® SL PG thread |
|-------------------------------------|----------------------|------------------------------|------|-----------------------|------------------------|-----------------------|
| 22 AWG (0.34 mm²) | | | | | | |
| 0028402 | 2 | 0.165 | 4.2 | 5 | 17 | S1107 |
| 0028403 | 3 | 0.173 | 4.4 | 7 | 21 | S1107 |
| 0028404 | 4 | 0.189 | 4.8 | 9 | 29 | S1107 |
| 0028405 | 5 | 0.217 | 5.5 | 12 | 36 | S1107 |
| 0028407 | 7 | 0.232 | 5.9 | 16 | 42 | S1107 |
| 0028408 | 8 | 0.280 | 7.1 | 18 | 49 | S1111 |
| 0028410 | 10 | 0.299 | 7.6 | 22 | 55 | S1111 |
| 0028412 | 12 | 0.307 | 7.8 | 27 | 69 | S1111 |
| 0028414 | 14 | 0.323 | 8.2 | 31 | 73 | S1111 |
| 0028416 | 16 | 0.343 | 8.7 | 35 | 85 | S1111 |
| 0028420 | 20 | 0.378 | 9.6 | 44 | 107 | S1113 |
| 0028421 | 21 | 0.409 | 10.4 | 47 | 112 | S1113 |
| 0028425 | 25 | 0.441 | 11.2 | 55 | 128 | S1113 |
| 0028430 | 30 | 0.457 | 11.6 | 66 | 152 | S1113 |
| 0028436 | 36 | 0.492 | 12.5 | 80 | 191 | S1116 |
| 0028440 | 40 | 0.531 | 13.5 | 89 | 213 | S1121 |
| 0028450 | 50 | 0.591 | 15.0 | 110 | 274 | S1121 |
| 20 AWG (0.5 mm²) | | | | | | |
| 0028502 | 2 | 0.185 | 4.7 | 7 | 27 | S1107 |
| 0028503 | 3 | 0.197 | 5.0 | 10 | 32 | S1107 |
| 0028504 | 4 | 0.220 | 5.6 | 13 | 38 | S1107 |
| 0028505 | 5 | 0.240 | 6.1 | 17 | 44 | S1107 |
| 0028507 | 7 | 0.272 | 6.9 | 23 | 55 | S1109 |
| 0028508 | 8 | 0.315 | 8.0 | 26 | 60 | S1111 |
| 0028510 | 10 | 0.339 | 8.6 | 33 | 79 | S1111 |
| 0028512 | 12 | 0.350 | 8.9 | 39 | 89 | S1111 |
| 0028516 | 16 | 0.402 | 10.2 | 52 | 114 | S1113 |
| 0028520 | 20 | 0.449 | 11.4 | 65 | 144 | S1113 |
| 0028525 | 25 | 0.484 | 12.3 | 81 | 178 | S1116 |
| 0028530 | 30 | 0.520 | 13.2 | 98 | 204 | S1116 |
| 0028540 | 40 | 0.622 | 15.8 | 130 | 263 | S1121 |
| 18 AWG (1 mm²) | | | | | | |
| 0028702 | 2 | 0.220 | 5.6 | 13 | 37 | S1107 |
| 0028703 | 3 | 0.232 | 5.9 | 20 | 47 | S1107 |
| 0028705 | 5 | 0.287 | 7.3 | 33 | 66 | S1111 |
| 16 AWG (1.5 mm²) | | | | | | |
| 0028802 | 2 | 0.268 | 6.8 | 20 | 50 | S1109 |
| 0028803 | 3 | 0.283 | 7.2 | 30 | 60 | S1111 |
| 0028804 | 4 | 0.307 | 7.8 | 40 | 71 | S1111 |

UNITRONIC® LiYCY

| Part number | Number of conductors | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® MS-SC PG thread |
|-------------------------------------|----------------------|------------------------------|------|-----------------------|------------------------|--------------------------|
| 26 AWG (0.14 mm²) | | | | | | |
| 0034302 | 2 | 0.154 | 3.9 | 9 | 13 | 53112210 |
| 0034303 | 3 | 0.161 | 4.1 | 9 | 19 | 53112210 |
| 0034304 | 4 | 0.169 | 4.3 | 10 | 22 | 53112210 |
| 0034305 | 5 | 0.181 | 4.6 | 11 | 26 | 53112210 |
| 0034306 | 6 | 0.193 | 4.9 | 13 | 26 | 53112210 |
| 0034307 | 7 | 0.193 | 4.9 | 13 | 33 | 53112210 |
| 0034308 | 8 | 0.228 | 5.8 | 15 | 38 | 53112210 |
| 0034310 | 10 | 0.240 | 6.1 | 20 | 44 | 53112210 |
| 0034312 | 12 | 0.248 | 6.3 | 21 | 52 | 53112210 |
| 0034314 | 14 | 0.264 | 6.7 | 22 | 54 | 53112210 |
| 0034315 | 15 | 0.272 | 6.9 | 26 | 58 | 53112210 |
| 0034316 | 16 | 0.276 | 7.0 | 29 | 60 | 53112210 |
| 0034318 | 18 | 0.287 | 7.3 | 33 | 70 | 53112220 |
| 0034320 | 20 | 0.303 | 7.7 | 37 | 78 | 53112220 |
| 0034321 | 21 | 0.311 | 7.9 | 38 | 81 | 53112220 |
| 0034325 | 25 | 0.331 | 8.4 | 43 | 100 | 53112220 |
| 0034328 | 28 | 0.335 | 8.5 | 45 | 103 | 53112220 |
| 0034330 | 30 | 0.343 | 8.7 | 47 | 106 | 53112220 |
| 0034332 | 32 | 0.354 | 9.0 | 50 | 110 | 53112220 |
| 0034336 | 36 | 0.366 | 9.3 | 56 | 123 | 53112230 |
| 0034340 | 40 | 0.409 | 10.4 | 59 | 141 | 53112230 |
| 0034344 | 44 | 0.421 | 10.7 | 75 | 151 | 53112230 |
| 0034350 | 50 | 0.437 | 11.1 | 83 | 170 | 53112230 |

| Part number | Number of conductors | Nominal outer diameter in mm | | Copper weight lbs/mft | Approx. weight lbs/mft | SKINTOP® MS-SC PG thread |
|-------------------------------------|----------------------|------------------------------|------|-----------------------|------------------------|--------------------------|
| 24 AWG (0.25 mm²) | | | | | | |
| 0034402 | 2 | 0.177 | 4.5 | 11 | 22 | 53112210 |
| 0034403 | 3 | 0.185 | 4.7 | 15 | 25 | 53112210 |
| 0034404 | 4 | 0.197 | 5.0 | 17 | 28 | 53112210 |
| 0034405 | 5 | 0.220 | 5.6 | 20 | 34 | 53112210 |
| 0034406 | 6 | 0.236 | 6.0 | 21 | 39 | 53112210 |
| 0034407 | 7 | 0.236 | 6.0 | 25 | 44 | 53112210 |
| 0034408 | 8 | 0.280 | 7.1 | 29 | 49 | 53112210 |
| 0034410 | 10 | 0.295 | 7.5 | 31 | 55 | 53112220 |
| 0034412 | 12 | 0.303 | 7.7 | 36 | 66 | 53112220 |
| 0034414 | 14 | 0.315 | 8.0 | 40 | 67 | 53112220 |
| 0034415 | 15 | 0.327 | 8.3 | 41 | 75 | 53112220 |
| 0034416 | 16 | 0.331 | 8.4 | 44 | 83 | 53112220 |
| 0034418 | 18 | 0.346 | 8.8 | 56 | 96 | 53112220 |
| 0034420 | 20 | 0.366 | 9.3 | 60 | 102 | 53112230 |
| 0034421 | 21 | 0.378 | 9.6 | 63 | 108 | 53112230 |
| 0034425 | 25 | 0.421 | 10.7 | 77 | 116 | 53112230 |
| 0034428 | 28 | 0.425 | 10.8 | 85 | 122 | 53112230 |
| 0034430 | 30 | 0.433 | 11.0 | 89 | 127 | 53112230 |
| 0034432 | 32 | 0.449 | 11.4 | 93 | 136 | 53112240 |
| 0034436 | 36 | 0.465 | 11.8 | 100 | 148 | 53112240 |
| 0034440 | 40 | 0.500 | 12.7 | 106 | 167 | 53112240 |
| 0034450 | 50 | 0.543 | 13.8 | 120 | 214 | 53112250 |
| 0034461 | 61 | 0.591 | 15.0 | 138 | 245 | 53112250 |

Recommended SKINTOP[®] assumes minimal OD variance. Additional configurations are available; please see our SKINTOP[®] section. If not otherwise specified, all values relating to the product are nominal values.

UNITRONIC® LiYCY

| Part number | Number of conductors | Nominal outer diameter | | Copper weight | Approx. weight | SKINTOP® MS-SC |
|-------------------------------------|----------------------|------------------------|------|---------------|----------------|----------------|
| | | in | mm | lbs/mft | lbs/mft | PG thread |
| 22 AWG (0.34 mm²) | | | | | | |
| 0034502 | 2 | 0.193 | 4.9 | 15 | 25 | 53112210 |
| 0034503 | 3 | 0.201 | 5.1 | 19 | 33 | 53112210 |
| 0034504 | 4 | 0.224 | 5.7 | 19 | 40 | 53112210 |
| 0034505 | 5 | 0.244 | 6.2 | 21 | 44 | 53112210 |
| 0034506 | 6 | 0.268 | 6.8 | 31 | 53 | 53112210 |
| 0034507 | 7 | 0.268 | 6.8 | 33 | 56 | 53112210 |
| 0034508 | 8 | 0.307 | 7.8 | 35 | 63 | 53112220 |
| 0034510 | 10 | 0.327 | 8.3 | 50 | 87 | 53112220 |
| 0034512 | 12 | 0.335 | 8.5 | 54 | 95 | 53112220 |
| 0034514 | 14 | 0.350 | 8.9 | 58 | 103 | 53112220 |
| 0034515 | 15 | 0.362 | 9.2 | 61 | 104 | 53112220 |
| 0034516 | 16 | 0.370 | 9.4 | 64 | 108 | 53112230 |
| 0034518 | 18 | 0.402 | 10.2 | 70 | 116 | 53112230 |
| 0034520 | 20 | 0.421 | 10.7 | 76 | 129 | 53112230 |
| 0034521 | 21 | 0.437 | 11.1 | 78 | 134 | 53112230 |
| 0034525 | 25 | 0.469 | 11.9 | 91 | 174 | 53112240 |
| 0034528 | 28 | 0.472 | 12.0 | 103 | 188 | 53112240 |
| 0034530 | 30 | 0.484 | 12.3 | 107 | 196 | 53112240 |
| 0034532 | 32 | 0.512 | 13.0 | 111 | 205 | 53112240 |
| 0034536 | 36 | 0.528 | 13.4 | 121 | 222 | 53112240 |
| 0034540 | 40 | 0.583 | 14.8 | 135 | 245 | 53112250 |
| 0034550 | 50 | 0.626 | 15.9 | 158 | 290 | 53112250 |
| 20 AWG (0.5 mm²) | | | | | | |
| 0034602 | 2 | 0.220 | 5.6 | 20 | 36 | 53112210 |
| 0034603 | 3 | 0.232 | 5.9 | 26 | 45 | 53112210 |
| 0034604 | 4 | 0.248 | 6.3 | 29 | 52 | 53112210 |
| 0034605 | 5 | 0.276 | 7.0 | 35 | 60 | 53112210 |

| Part number | Number of conductors | Nominal outer diameter | | Copper weight | Approx. weight | SKINTOP® MS-SC |
|------------------------------------|----------------------|------------------------|------|---------------|----------------|----------------|
| | | in | mm | lbs/mft | lbs/mft | PG thread |
| 0034606 | 6 | 0.299 | 7.6 | 40 | 70 | 53112220 |
| 0034607 | 7 | 0.299 | 7.6 | 44 | 75 | 53112220 |
| 0034608 | 8 | 0.343 | 8.7 | 48 | 91 | 53112220 |
| 0034610 | 10 | 0.366 | 9.3 | 60 | 108 | 53112230 |
| 0034612 | 12 | 0.378 | 9.6 | 67 | 119 | 53112230 |
| 0034618 | 18 | 0.465 | 11.8 | 91 | 161 | 53112240 |
| 0034620 | 20 | 0.476 | 12.1 | 101 | 185 | 53112240 |
| 0034625 | 25 | 0.539 | 13.7 | 142 | 237 | 53112250 |
| 0034630 | 30 | 0.571 | 14.5 | 155 | 267 | 53112250 |
| 18 AWG (1 mm²) | | | | | | |
| 0034802 | 2 | 0.248 | 6.3 | 29 | 48 | 53112210 |
| 0034803 | 3 | 0.268 | 6.8 | 38 | 60 | 53112210 |
| 0034804 | 4 | 0.287 | 7.3 | 46 | 73 | 53112220 |
| 0034805 | 5 | 0.315 | 8.0 | 54 | 85 | 53112220 |
| 0034807 | 7 | 0.339 | 8.6 | 80 | 115 | 53112220 |
| 0034810 | 10 | 0.437 | 11.1 | 95 | 153 | 53112230 |
| 0034812 | 12 | 0.449 | 11.4 | 113 | 174 | 53112240 |
| 0034818 | 18 | 0.528 | 13.4 | 170 | 261 | 53112240 |
| 0034825 | 25 | 0.638 | 16.2 | 226 | 347 | 53112250 |
| 16 AWG (1.5 mm²) | | | | | | |
| 0034902 | 2 | 0.295 | 7.5 | 39 | 60 | 53112220 |
| 0034903 | 3 | 0.311 | 7.9 | 50 | 77 | 53112220 |
| 0034904 | 4 | 0.335 | 8.5 | 73 | 103 | 53112220 |
| 0034905 | 5 | 0.366 | 9.3 | 87 | 118 | 53112230 |
| 0034907 | 7 | 0.413 | 10.5 | 111 | 148 | 53112230 |
| 0034912 | 12 | 0.539 | 13.7 | 171 | 253 | 53112250 |
| 0034918 | 18 | 0.642 | 16.3 | 236 | 349 | 53112250 |
| 0034925 | 25 | 0.783 | 19.9 | 370 | 605 | 53112260 |

UNITRONIC® LiYCY (TP)

| Part number | Number of pairs | Nominal outer diameter | | Copper weight | Approx. weight | SKINTOP® MS-SC |
|-------------------------------------|-----------------|------------------------|------|---------------|----------------|----------------|
| | | in | mm | lbs/mft | lbs/mft | PG thread |
| 26 AWG (0.14 mm²) | | | | | | |
| 0035131 | 2 | 0.224 | 5.7 | 13 | 26 | 53112210 |
| 0035141 | 3 | 0.228 | 5.8 | 16 | 32 | 53112210 |
| 0035132 | 4 | 0.244 | 6.2 | 18 | 36 | 53112210 |
| 0035133 | 6 | 0.280 | 7.1 | 33 | 57 | 53112210 |
| 0035150 | 8 | 0.323 | 8.2 | 37 | 65 | 53112220 |
| 0035134 | 10 | 0.343 | 8.7 | 40 | 74 | 53112220 |
| 0035135 | 12 | 0.350 | 8.9 | 45 | 95 | 53112220 |
| 0035136 | 16 | 0.402 | 10.2 | 54 | 103 | 53112230 |
| 0035142 | 20 | 0.445 | 11.3 | 66 | 124 | 53112240 |
| 0035137 | 25 | 0.492 | 12.5 | 76 | 160 | 53112240 |
| 24 AWG (0.25 mm²) | | | | | | |
| 0035800 | 2 | 0.248 | 6.3 | 19 | 36 | 53112210 |
| 0035801 | 3 | 0.280 | 7.1 | 27 | 46 | 53112210 |
| 0035802 | 4 | 0.299 | 7.6 | 31 | 54 | 53112220 |
| 0035803 | 6 | 0.335 | 8.5 | 47 | 77 | 53112220 |
| 0035804 | 8 | 0.406 | 10.3 | 52 | 87 | 53112230 |
| 0035805 | 10 | 0.433 | 11.0 | 69 | 106 | 53112230 |
| 0035806 | 12 | 0.445 | 11.3 | 81 | 128 | 53112240 |
| 0035807 | 16 | 0.492 | 12.5 | 99 | 160 | 53112240 |
| 0035808 | 25 | 0.634 | 16.1 | 138 | 231 | 53112250 |

| Part number | Number of pairs | Nominal outer diameter | | Copper weight | Approx. weight | SKINTOP® MS-SC |
|------------------------------------|-----------------|------------------------|------|---------------|----------------|----------------|
| | | in | mm | lbs/mft | lbs/mft | PG thread |
| 20 AWG (0.5 mm²) | | | | | | |
| 0035810 | 2 | 0.339 | 8.6 | 33 | 62 | 53112220 |
| 0035811 | 3 | 0.343 | 8.7 | 50 | 87 | 53112220 |
| 0035812 | 4 | 0.370 | 9.4 | 56 | 98 | 53112230 |
| 0035813 | 6 | 0.437 | 11.1 | 74 | 133 | 53112230 |
| 0035814 | 8 | 0.516 | 13.1 | 94 | 174 | 53112240 |
| 0035816 | 12 | 0.587 | 14.9 | 134 | 238 | 53112250 |
| 0035817 | 16 | 0.650 | 16.5 | 162 | 308 | 53112250 |
| 18 AWG (1 mm²) | | | | | | |
| 0035830 | 2 | 0.354 | 9.0 | 57 | 95 | 53112220 |
| 0035831 | 3 | 0.409 | 10.4 | 65 | 116 | 53112230 |
| 0035832 | 4 | 0.445 | 11.3 | 82 | 142 | 53112240 |
| 0035836 | 5 | 0.465 | 11.8 | 109 | 179 | 53112240 |

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values.

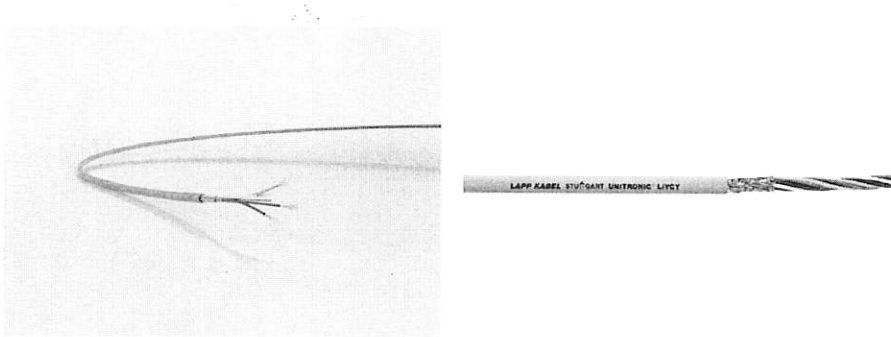
UNITRONIC® LiYCY

Screened data transmission cable with colour code acc. to DIN 47100

UNITRONIC® LiYCY: Low-frequency PVC data cable DIN 47100 coded Flexible (0.34mm² multi-wire Maxi TERMI-POINT®) Flame retardant Screened, Instrumentation Control

Info

CPR: Article number choice under www.lappkabel.com/cpr



Interference signals

Benefits

Overall braid minimises electrical interference
Multifunctional application possibilities

Application range

Screened cables with small dimensions are suitable for use in computer systems, instrumentation technology, office equipment, balances.
Dry or damp rooms

Product features

Flame-retardant according IEC 60332-1-2

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
Tinned-copper braiding

Last Update (29.07.2019)

©2019 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de

UNITRONIC® LiYCY

Outer sheath made of PVC
 Outer sheath colour: pebble grey (RAL 7032)

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: | C/C: approx. 120 nF/km C/S: approx. 160 nF/km |
| Inductivity: | approx. 0.65 mH/km |
| Conductor stranding: | Stranded, fine-wire 0.34 mm ² : 7-wire |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 6 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.

UNITRONIC® LIYCY

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|------------------|---|---------------------|----------------------|----------------|
| UNITRONIC® LIYCY | | | | |
| 0034302 | 2 x 0.14 | 3.9 | 12 | 20 |
| 0034303 | 3 x 0.14 | 4.1 | 13 | 28 |
| 0034304 | 4 x 0.14 | 4.3 | 14.3 | 33 |
| 0034305 | 5 x 0.14 | 4.6 | 15.5 | 38 |
| 0034306 | 6 x 0.14 | 4.9 | 18.2 | 38 |
| 0034307 | 7 x 0.14 | 4.9 | 19 | 49 |
| 0034308 | 8 x 0.14 | 5.8 | 21.2 | 56 |
| 0034310 | 10 x 0.14 | 6.1 | 28.5 | 66 |
| 0034312 | 12 x 0.14 | 6.3 | 30.4 | 78 |
| 0034314 | 14 x 0.14 | 6.7 | 32 | 80 |
| 0034315 | 15 x 0.14 | 6.9 | 37.8 | 86 |
| 0034316 | 16 x 0.14 | 7 | 43 | 90 |
| 0034318 | 18 x 0.14 | 7.3 | 48.8 | 95 |
| 0034320 | 20 x 0.14 | 7.7 | 53.9 | 100 |
| 0034321 | 21 x 0.14 | 7.9 | 55.5 | 105 |
| 0034324 | 24 x 0.14 | 8.3 | 61 | 112 |
| 0034325 | 25 x 0.14 | 8.5 | 63 | 120 |
| 0034328 | 28 x 0.14 | 8.5 | 66.1 | 141 |
| 0034330 | 30 x 0.14 | 8.7 | 69 | 155 |
| 0034336 | 36 x 0.14 | 9.3 | 83 | 170 |
| 0034340 | 40 x 0.14 | 10.4 | 87.5 | 178 |
| 0034344 | 44 x 0.14 | 10.7 | 110.5 | 185 |
| 0034350 | 50 x 0.14 | 11.1 | 122.5 | 195 |
| 0034402 | 2 x 0.25 | 4.5 | 16 | 32 |
| 0034403 | 3 x 0.25 | 4.7 | 21 | 37 |
| 0034404 | 4 x 0.25 | 5 | 24 | 41.3 |
| 0034405 | 5 x 0.25 | 5.6 | 29 | 51.2 |
| 0034406 | 6 x 0.25 | 6 | 30 | 58 |
| 0034407 | 7 x 0.25 | 6 | 37 | 65 |
| 0034408 | 8 x 0.25 | 7.1 | 42 | 73 |
| 0034410 | 10 x 0.25 | 7.5 | 46 | 82 |
| 0034412 | 12 x 0.25 | 7.7 | 53 | 98 |
| 0034414 | 14 x 0.25 | 8 | 59 | 99 |

UNITRONIC® LIYCY

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|----------------|---|---------------------|----------------------|----------------|
| 0034415 | 15 x 0.25 | 8.3 | 61 | 111 |
| 0034416 | 16 x 0.25 | 8.4 | 64 | 119 |
| 0034418 | 18 x 0.25 | 8.8 | 83 | 125 |
| 0034420 | 20 x 0.25 | 9.3 | 88 | 136 |
| 0034421 | 21 x 0.25 | 9.6 | 93 | 161 |
| 0034425 | 25 x 0.25 | 10.7 | 114 | 172 |
| 0034428 | 28 x 0.25 | 10.8 | 126 | 181.1 |
| 0034432 | 32 x 0.25 | 11.4 | 138 | 203 |
| 0034436 | 36 x 0.25 | 11.8 | 148 | 220 |
| 0034440 | 40 x 0.25 | 12.7 | 157 | 248 |
| 0034450 | 50 x 0.25 | 13.8 | 178 | 318 |
| 0034461 | 61 x 0.25 | 15 | 205 | 365.2 |
| 0034502 | 2 x 0.34 | 4.9 | 21 | 37 |
| 0034503 | 3 x 0.34 | 5.1 | 27 | 42 |
| 0034504 | 4 x 0.34 | 5.7 | 28 | 52 |
| 0034505 | 5 x 0.34 | 6.2 | 30 | 60 |
| 0034506 | 6 x 0.34 | 6.8 | 45 | 64 |
| 0034507 | 7 x 0.34 | 6.8 | 48 | 75 |
| 0034508 | 8 x 0.34 | 7.8 | 52 | 94 |
| 0034510 | 10 x 0.34 | 8.3 | 74 | 105 |
| 0034512 | 12 x 0.34 | 8.5 | 80 | 123 |
| 0034514 | 14 x 0.34 | 8.9 | 86 | 154 |
| 0034515 | 15 x 0.34 | 9.2 | 90 | 155 |
| 0034516 | 16 x 0.34 | 9.4 | 94 | 160 |
| 0034518 | 18 x 0.34 | 10.2 | 103 | 173 |
| 0034520 | 20 x 0.34 | 10.7 | 112 | 192 |
| 0034521 | 21 x 0.34 | 11.1 | 116 | 199.2 |
| 0034525 | 25 x 0.34 | 11.9 | 135 | 259 |
| 0034528 | 28 x 0.34 | 12 | 153 | 280 |
| 0034530 | 30 x 0.34 | 12.3 | 159 | 291.1 |
| 0034532 | 32 x 0.34 | 13 | 165 | 305 |
| 0034536 | 36 x 0.34 | 13.4 | 179 | 331 |
| 0034540 | 40 x 0.34 | 14.8 | 200 | 365 |
| 0034550 | 50 x 0.34 | 15.9 | 235 | 431 |

Last Update (29.07.2019)

©2019 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

UNITRONIC® LiYCY

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index [kg/km] | Weight [kg/km] |
|----------------|---|---------------------|----------------------|----------------|
| 0034602 | 2 x 0.5 | 5.6 | 29 | 47 |
| 0034603 | 3 x 0.5 | 5.9 | 38 | 55 |
| 0034604 | 4 x 0.5 | 6.3 | 43 | 70 |
| 0034605 | 5 x 0.5 | 7 | 51 | 90 |
| 0034606 | 6 x 0.5 | 7.6 | 59 | 104 |
| 0034607 | 7 x 0.5 | 7.6 | 65 | 112 |
| 0034608 | 8 x 0.5 | 8.7 | 70 | 120 |
| 0034610 | 10 x 0.5 | 9.3 | 88 | 139 |
| 0034612 | 12 x 0.5 | 9.6 | 99 | 177 |
| 0034618 | 18 x 0.5 | 11.8 | 134 | 239 |
| 0034620 | 20 x 0.5 | 12.1 | 149 | 276 |
| 0034625 | 25 x 0.5 | 13.7 | 211 | 352 |
| 0034630 | 30 x 0.5 | 14.5 | 230 | 397 |
| 0034702 | 2 x 0.75 | 6 | 38 | 53 |
| 0034703 | 3 x 0.75 | 6.3 | 49 | 65 |
| 0034704 | 4 x 0.75 | 7 | 58 | 79 |
| 0034705 | 5 x 0.75 | 7.6 | 67 | 109 |
| 0034707 | 7 x 0.75 | 8.2 | 100 | 156 |
| 0034710 | 10 x 0.75 | 10.5 | 130 | 187 |
| 0034712 | 12 x 0.75 | 10.8 | 154 | 218 |
| 0034718 | 18 x 0.75 | 13 | 195 | 327 |
| 0034725 | 25 x 0.75 | 15.3 | 280 | 454 |
| 0034730 | 30 x 0.75 | 15.8 | 312 | 486 |
| 0034802 | 2 x 1.0 | 6.3 | 43 | 72 |
| 0034803 | 3 x 1.0 | 6.8 | 56 | 90 |
| 0034804 | 4 x 1.0 | 7.3 | 68 | 109 |
| 0034805 | 5 x 1.0 | 8 | 79 | 126 |
| 0034807 | 7 x 1.0 | 8.6 | 118 | 171 |
| 0034810 | 10 x 1.0 | 11.1 | 140 | 228 |
| 0034812 | 12 x 1.0 | 11.4 | 168 | 259 |
| 0034818 | 18 x 1.0 | 13.4 | 252 | 389 |
| 0034825 | 25 x 1.0 | 16.2 | 335 | 517 |
| 0034902 | 2 x 1.5 | 7.1 | 58 | 90 |
| 0034903 | 3 x 1.5 | 7.5 | 74 | 115 |

Last Update (29.07.2019)

©2019 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de