# UNITRONIC® SPIRAL

Spiral cable with outer PUR sheath and overall shielding for exact impulse transmission

UNITRONIC® SPIRAL - shielded PUR spiral cable, abrasion-resistant data and control cable for use in data processing, measurement and control engineering

## Info

Secure against electrical interferences
PUR outer sheath



Mechanical resistance

Oil-resistant

Interference signals

## Benefits

Overall screening prevents high frequency interference and guarantees accurate signal transmission
Extended lengths of up to 4 times the unextended spiral length

## Application range

In measurement and control engineering
Wherever screened cables with smallest dimensions are required
For requirements of electronic applications
Handling and measurement equipment
Conveyor and transport systems

## Product features

Abrasion and cut-resistant
Very high flexibility

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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

# UNITRONIC® SPIRAL

## Product Make-up

Basis: UNITRONIC® LiYD11Y
Conductor made of bare copper wires
Core insulation: Based on PVC
Screening: wrapped with braided copper wires
Outer sheath: PUR compound
Length of straight ends: 1st end = 200 mm, 2nd end = 600 mm
Versions without the mandatory LAPP designation, but with other solid lengths, end lengths and end forms available on request

## Technical Data

| | |
|---|---|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000247<br>ETIM 5.0 Class-Description: Spiralized cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000247<br>ETIM 6.0 Class-Description: Spiralized cable |
| Core identification code: | DIN 47100 |
| Peak operating voltage: | 250 V (not for power transmission) |
| Conductor stranding: | Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6 |
| Test voltage: | 1200 V |
| Temperature range: | Flexing: -5 °C to +50 °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.
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 mm² per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) |
|---|---|---|---|---|---|
| 73220200 | 2 x 0.14 | 400 | 100 | 4.1 | 15 |
| 73220201 | 2 x 0.14 | 800 | 200 | 4.1 | 15 |
| 73220202 | 2 x 0.14 | 1200 | 300 | 4.1 | 15 |
| 73220203 | 2 x 0.14 | 1600 | 400 | 4.1 | 15 |
| 73220204 | 2 x 0.14 | 2000 | 500 | 4.1 | 15 |
| 73220205 | 3 x 0.14 | 400 | 100 | 4.3 | 18 |
| 73220206 | 3 x 0.14 | 800 | 200 | 4.3 | 18 |
| 73220207 | 3 x 0.14 | 1200 | 300 | 4.3 | 18 |
| 73220208 | 3 x 0.14 | 1600 | 400 | 4.3 | 18 |
| 73220209 | 3 x 0.14 | 2000 | 500 | 4.3 | 18 |
| 73220210 | 4 x 0.14 | 400 | 100 | 4.5 | 19 |
| 73220211 | 4 x 0.14 | 800 | 200 | 4.5 | 19 |
| 73220212 | 4 x 0.14 | 1200 | 300 | 4.5 | 19 |
| 73220213 | 4 x 0.14 | 1600 | 400 | 4.5 | 19 |
| 73220214 | 4 x 0.14 | 2000 | 500 | 4.5 | 19 |
| 73220215 | 5 x 0.14 | 400 | 100 | 4.8 | 20 |
| 73220216 | 5 x 0.14 | 800 | 200 | 4.8 | 20 |
| 73220217 | 5 x 0.14 | 1200 | 300 | 4.8 | 20 |
| 73220218 | 5 x 0.14 | 1600 | 400 | 4.8 | 20 |
| 73220219 | 5 x 0.14 | 2000 | 500 | 4.8 | 20 |
| 73220220 | 6 x 0.14 | 400 | 100 | 5.5 | 21 |
| 73220221 | 6 x 0.14 | 800 | 200 | 5.5 | 21 |
| 73220222 | 6 x 0.14 | 1200 | 300 | 5.5 | 21 |
| 73220223 | 6 x 0.14 | 1600 | 400 | 5.5 | 21 |
| 73220224 | 6 x 0.14 | 2000 | 500 | 5.5 | 21 |
| 73220225 | 7 x 0.14 | 400 | 100 | 5.9 | 23 |
| 73220226 | 7 x 0.14 | 800 | 200 | 5.9 | 23 |
| 73220227 | 7 x 0.14 | 1200 | 300 | 5.9 | 23 |
| 73220228 | 7 x 0.14 | 1600 | 400 | 5.9 | 23 |
| 73220229 | 7 x 0.14 | 2000 | 500 | 5.9 | 23 |
| 73220230 | 12 x 0.14 | 400 | 100 | 7.2 | 28 |
| 73220231 | 12 x 0.14 | 800 | 200 | 7.2 | 28 |
| 73220232 | 12 x 0.14 | 1200 | 300 | 7.2 | 28 |
| 73220233 | 12 x 0.14 | 1600 | 400 | 7.2 | 28 |
| | | | | | |

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| Article number | Number of cores and mm² per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) |
|---|---|---|---|---|---|
| 73220234 | 12 x 0.14 | 2000 | 500 | 7.2 | 28 |
| 73220235 | 18 x 0.14 | 400 | 100 | 8 | 29 |
| 73220236 | 18 x 0.14 | 800 | 200 | 8 | 29 |
| 73220237 | 18 x 0.14 | 1200 | 300 | 8 | 29 |
| 73220238 | 18 x 0.14 | 1600 | 400 | 8 | 29 |
| 73220239 | 18 x 0.14 | 2000 | 500 | 8 | 29 |
| 73220240 | 2 x 0.25 | 400 | 100 | 4.7 | 18 |
| 73220241 | 2 x 0.25 | 800 | 200 | 4.7 | 18 |
| 73220242 | 2 x 0.25 | 1200 | 300 | 4.7 | 18 |
| 73220243 | 2 x 0.25 | 1600 | 400 | 4.7 | 18 |
| 73220244 | 2 x 0.25 | 2000 | 500 | 4.7 | 18 |
| 73220245 | 3 x 0.25 | 400 | 100 | 5.3 | 19 |
| 73220246 | 3 x 0.25 | 800 | 200 | 5.3 | 19 |
| 73220247 | 3 x 0.25 | 1200 | 300 | 5.3 | 19 |
| 73220248 | 3 x 0.25 | 1600 | 400 | 5.3 | 19 |
| 73220249 | 3 x 0.25 | 2000 | 500 | 5.3 | 19 |
| 73220250 | 4 x 0.25 | 400 | 100 | 5.6 | 20 |
| 73220251 | 4 x 0.25 | 800 | 200 | 5.6 | 20 |
| 73220252 | 4 x 0.25 | 1200 | 300 | 5.6 | 20 |
| 73220253 | 4 x 0.25 | 1600 | 400 | 5.6 | 20 |
| 73220254 | 4 x 0.25 | 2000 | 500 | 5.6 | 20 |
| 73220255 | 5 x 0.25 | 400 | 100 | 6 | 21 |
| 73220256 | 5 x 0.25 | 800 | 200 | 6 | 21 |
| 73220257 | 5 x 0.25 | 1200 | 300 | 6 | 21 |
| 73220258 | 5 x 0.25 | 1600 | 400 | 6 | 21 |
| 73220259 | 5 x 0.25 | 2000 | 500 | 6 | 21 |
| 73220260 | 6 x 0.25 | 400 | 100 | 6.8 | 25 |
| 73220261 | 6 x 0.25 | 800 | 200 | 6.8 | 25 |
| 73220262 | 6 x 0.25 | 1200 | 300 | 6.8 | 25 |
| 73220263 | 6 x 0.25 | 1600 | 400 | 6.8 | 25 |
| 73220264 | 6 x 0.25 | 2000 | 500 | 6.8 | 25 |
| 73220265 | 7 x 0.25 | 400 | 100 | 7.3 | 26 |
| 73220266 | 7 x 0.25 | 800 | 200 | 7.3 | 26 |
| 73220267 | 7 x 0.25 | 1200 | 300 | 7.3 | 26 |
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PRODUCT INFORMATION

| Article number | Number of cores and mm² per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) |
|---|---|---|---|---|---|
| 73220268 | 7 x 0.25 | 1600 | 400 | 7.3 | 26 |
| 73220269 | 7 x 0.25 | 2000 | 500 | 7.3 | 26 |
| 73220270 | 12 x 0.25 | 400 | 100 | 8.4 | 30 |
| 73220271 | 12 x 0.25 | 800 | 200 | 8.4 | 30 |
| 73220272 | 12 x 0.25 | 1200 | 300 | 8.4 | 30 |
| 73220273 | 12 x 0.25 | 1600 | 400 | 8.4 | 30 |
| 73220274 | 12 x 0.25 | 2000 | 500 | 8.4 | 30 |
| 73220275 | 18 x 0.25 | 400 | 100 | 9.5 | 31 |
| 73220276 | 18 x 0.25 | 800 | 200 | 9.5 | 31 |
| 73220277 | 18 x 0.25 | 1200 | 300 | 9.5 | 31 |
| 73220278 | 18 x 0.25 | 1600 | 400 | 9.5 | 31 |
| 73220279 | 18 x 0.25 | 2000 | 500 | 9.5 | 31 |

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