



SPIRAL CABLE



Spiral cables are generally used wherever long-term flexibility and long service lives with high quality really matter. Nowadays, they are used in communications, media technology, medical technology, the automotive industry, and machine and plant engineering or as feeder lines in the lighting industry.

In addition to their beneficial electro-mechanical properties, spiral cables also provide outstanding optical and design solutions.

PUR spiral cables



Technical Data

- Technical data
- Temperature range -25 to +70°C
- Nominal voltage
H05BQ-F 300/500 V (up to 1 mm²)
H07BQ-F 450/750 V (from 1,5 mm²)
- Test voltage 2000/2500 V
- **Expansion ratio 1:4**
- Straight ends (tangential)
200 mm each

Cable structure

- Bare copper conductor, fine wire stranded
- Rubber core insulation
- Cores stranded in layers
- Core identification acc. to DIN VDE 0293-308
- Green/yellow earth core (3 or more cores)
- PUR outer sheath
- **Sheath colour: black**

Application

Machine/equipment manufacture, power tools, building industry, handling equipment

Note

- Unexpanded spiral lengths of up to 5000 mm are available on request
- 7-core not contained in VDE

| Part No. | Cores x cross-section mm ² | Cable diameter approx. mm | Spiral length unexpanded (WL in mm) | Spiral outer diameter approx. mm | Copper count weight kg/1000 Stück | AWG-No. approx. value |
|----------|---------------------------------------|---------------------------|-------------------------------------|----------------------------------|-----------------------------------|-----------------------|
| 86303 | 2 x 0,75 | 6,9 | 500 | 23,8 | 77,8 | 18 |
| 86306 | 2 x 0,75 | 6,9 | 1000 | 23,8 | 149,8 | 18 |
| 86308 | 2 x 0,75 | 6,9 | 1400 | 23,8 | 207,4 | 18 |
| 86311 | 2 x 0,75 | 6,9 | 2000 | 23,8 | 293,8 | 18 |
| 86319 | 3 G 0,75 | 7,3 | 500 | 25,6 | 116,7 | 18 |
| 86322 | 3 G 0,75 | 7,3 | 1000 | 25,6 | 224,7 | 18 |
| 86324 | 3 G 0,75 | 7,3 | 1400 | 25,6 | 311,1 | 18 |
| 86327 | 3 G 0,75 | 7,3 | 2000 | 25,6 | 440,6 | 18 |
| 86335 | 4 G 0,75 | 8,1 | 500 | 29,2 | 156,6 | 18 |
| 86338 | 4 G 0,75 | 8,1 | 1000 | 29,2 | 301,6 | 18 |
| 86340 | 4 G 0,75 | 8,1 | 1400 | 29,2 | 417,6 | 18 |
| 86343 | 4 G 0,75 | 8,1 | 2000 | 29,2 | 591,6 | 18 |
| 86351 | 5 G 0,75 | 8,8 | 500 | 31,6 | 194,4 | 18 |
| 86354 | 5 G 0,75 | 8,8 | 1000 | 31,6 | 374,4 | 18 |
| 86356 | 5 G 0,75 | 8,8 | 1400 | 31,6 | 518,4 | 18 |
| 86359 | 5 G 0,75 | 8,8 | 2000 | 31,6 | 734,4 | 18 |
| 86367 | 2 x 1,0 | 7,0 | 500 | 25,0 | 103,7 | 17 |
| 86370 | 2 x 1,0 | 7,0 | 1000 | 25,0 | 199,7 | 17 |
| 86372 | 2 x 1,0 | 7,0 | 1400 | 25,0 | 276,5 | 17 |
| 86375 | 2 x 1,0 | 7,0 | 2000 | 25,0 | 391,7 | 17 |
| 84903 | 3 G 1,0 | 7,5 | 500 | 27,0 | 156,6 | 17 |
| 84906 | 3 G 1,0 | 7,5 | 1000 | 27,0 | 301,6 | 17 |
| 84908 | 3 G 1,0 | 7,5 | 1400 | 27,0 | 417,6 | 17 |
| 84911 | 3 G 1,0 | 7,5 | 2000 | 27,0 | 591,6 | 17 |
| 86383 | 4 G 1,0 | 8,4 | 500 | 29,8 | 207,4 | 17 |
| 86386 | 4 G 1,0 | 8,4 | 1000 | 29,8 | 399,4 | 17 |
| 86388 | 4 G 1,0 | 8,4 | 1400 | 29,8 | 553,0 | 17 |
| 86391 | 4 G 1,0 | 8,4 | 2000 | 29,8 | 783,4 | 17 |
| 86399 | 5 G 1,0 | 9,5 | 500 | 33,0 | 259,2 | 17 |
| 86402 | 5 G 1,0 | 9,5 | 1000 | 33,0 | 499,2 | 17 |
| 86404 | 5 G 1,0 | 9,5 | 1400 | 33,0 | 691,2 | 17 |
| 86407 | 5 G 1,0 | 9,5 | 2000 | 33,0 | 979,2 | 17 |
| 86415 | 7 G 1,0 | 11,3 | 500 | 39,6 | 361,8 | 17 |
| 86418 | 7 G 1,0 | 11,3 | 1000 | 39,6 | 696,8 | 17 |
| 86420 | 7 G 1,0 | 11,3 | 1400 | 39,6 | 964,8 | 17 |
| 86423 | 7 G 1,0 | 11,3 | 2000 | 39,6 | 1366,8 | 17 |
| 86463 | 2 x 1,5 | 9,0 | 500 | 31,0 | 156,6 | 16 |
| 86466 | 2 x 1,5 | 9,0 | 1000 | 31,0 | 301,6 | 16 |
| 86468 | 2 x 1,5 | 9,0 | 1400 | 31,0 | 417,6 | 16 |
| 86471 | 2 x 1,5 | 9,0 | 2000 | 31,0 | 591,6 | 16 |
| 84919 | 3 G 1,5 | 9,3 | 500 | 33,6 | 232,2 | 16 |
| 84922 | 3 G 1,5 | 9,3 | 1000 | 33,6 | 447,2 | 16 |
| 84924 | 3 G 1,5 | 9,3 | 1400 | 33,6 | 619,2 | 16 |
| 84927 | 3 G 1,5 | 9,3 | 2000 | 33,6 | 877,2 | 16 |
| 84951 | 5 G 1,5 | 11,2 | 500 | 39,4 | 388,8 | 16 |
| 84954 | 5 G 1,5 | 11,2 | 1000 | 39,4 | 748,8 | 16 |
| 84956 | 5 G 1,5 | 11,2 | 1400 | 39,4 | 1036,8 | 16 |
| 84959 | 5 G 1,5 | 11,2 | 2000 | 39,4 | 1468,8 | 16 |
| 84967 | 7 G 1,5 | 13,4 | 500 | 48,8 | 545,4 | 16 |
| 84970 | 7 G 1,5 | 13,4 | 1000 | 48,8 | 1050,4 | 16 |
| 84972 | 7 G 1,5 | 13,4 | 1400 | 48,8 | 1454,1 | 16 |
| 84975 | 7 G 1,5 | 13,4 | 2000 | 48,8 | 2060,4 | 16 |
| 86479 | 3 G 2,5 | 10,9 | 500 | 38,8 | 388,8 | 14 |
| 86482 | 3 G 2,5 | 10,9 | 1000 | 38,8 | 748,8 | 14 |
| 86484 | 3 G 2,5 | 10,9 | 1400 | 38,8 | 1036,8 | 14 |
| 86487 | 3 G 2,5 | 10,9 | 2000 | 38,8 | 1468,8 | 14 |

PUR spiral cables orange



Technical Data

- Technical data
- Temperature range -25 to +70°C
- Nominal voltage
H05BQ-F 300/500 V (up to 1 mm²)
H07BQ-F 450/750 V (from 1,5 mm²)
- Test voltage 2000/2500 V
- **Expansion ratio 1:4**
- Straight ends (tangential)
200 mm each

Cable structure

- Bare copper conductor, fine wire stranded
- Rubber core insulation
- Cores stranded in layers
- Core identification acc. to DIN VDE 0293-308
- Green/yellow earth core (3 or more cores)
- PUR outer sheath
- **Sheath colour: orange**

Application

Machine/equipment manufacture, power tools, building industry, handling equipment

Note

- Unexpanded spiral lengths of up to 5000 mm are available on request
- 7-core not contained in VDE

| Part No. | Cores x cross-section mm ² | Cable diameter approx. mm | Spiral length unexpanded (WL in mm) | Spiral outer diameter approx. mm | Copper count weight kg/1000 Stück | AWG-No. approx. value |
|----------|---------------------------------------|---------------------------|-------------------------------------|----------------------------------|-----------------------------------|-----------------------|
| 85221 | 2x 0,75 | 6,5 | 300 | 23,0 | 59,0 | 18 |
| 85223 | 2x 0,75 | 6,5 | 500 | 23,0 | 77,8 | 18 |
| 85226 | 2x 0,75 | 6,5 | 1000 | 23,0 | 149,8 | 18 |
| 85229 | 2x 0,75 | 6,5 | 1500 | 23,0 | 221,8 | 18 |
| 85238 | 3 G 0,75 | 7,1 | 300 | 25,2 | 73,5 | 18 |
| 85240 | 3 G 0,75 | 7,1 | 500 | 25,2 | 116,7 | 18 |
| 85243 | 3 G 0,75 | 7,1 | 1000 | 25,2 | 224,7 | 18 |
| 85246 | 3 G 0,75 | 7,1 | 1500 | 25,2 | 332,6 | 18 |
| 85255 | 4 G 0,75 | 7,9 | 300 | 28,8 | 98,6 | 18 |
| 85257 | 4 G 0,75 | 7,9 | 500 | 28,8 | 156,6 | 18 |
| 85260 | 4 G 0,75 | 7,9 | 1000 | 28,8 | 301,6 | 18 |
| 85263 | 4 G 0,75 | 7,9 | 1500 | 28,8 | 446,6 | 18 |
| 85272 | 5 G 0,75 | 8,6 | 300 | 31,2 | 122,4 | 18 |
| 85274 | 5 G 0,75 | 8,6 | 500 | 31,2 | 194,4 | 18 |
| 85277 | 5 G 0,75 | 8,6 | 1000 | 31,2 | 374,4 | 18 |
| 85280 | 5 G 0,75 | 8,6 | 1500 | 31,2 | 554,4 | 18 |
| 85289 | 2 x 1,0 | 6,8 | 300 | 24,6 | 65,3 | 17 |
| 85291 | 2 x 1,0 | 6,8 | 500 | 24,6 | 103,7 | 17 |
| 85294 | 2 x 1,0 | 6,8 | 1000 | 24,6 | 199,7 | 17 |
| 85297 | 2 x 1,0 | 6,8 | 1500 | 24,6 | 295,7 | 17 |
| 85306 | 3 G 1,0 | 7,2 | 300 | 26,4 | 98,6 | 17 |
| 85308 | 3 G 1,0 | 7,2 | 500 | 26,4 | 156,6 | 17 |
| 85311 | 3 G 1,0 | 7,2 | 1000 | 26,4 | 301,6 | 17 |
| 85314 | 3 G 1,0 | 7,2 | 1500 | 26,4 | 446,6 | 17 |
| 85323 | 4 G 1,0 | 7,8 | 300 | 28,6 | 130,6 | 17 |
| 85325 | 4 G 1,0 | 7,8 | 500 | 28,6 | 207,4 | 17 |
| 85328 | 4 G 1,0 | 7,8 | 1000 | 28,6 | 399,4 | 17 |
| 85331 | 4 G 1,0 | 7,8 | 1500 | 28,6 | 591,4 | 17 |
| 85340 | 5 G 1,0 | 9,0 | 300 | 32,0 | 163,2 | 17 |
| 85342 | 5 G 1,0 | 9,0 | 500 | 32,0 | 259,2 | 17 |
| 85345 | 5 G 1,0 | 9,0 | 1000 | 32,0 | 499,2 | 17 |
| 85348 | 5 G 1,0 | 9,0 | 1500 | 32,0 | 739,2 | 17 |
| 85357 | 2 x 1,5 | 8,5 | 300 | 30,0 | 98,6 | 16 |
| 85359 | 2 x 1,5 | 8,5 | 500 | 30,0 | 156,6 | 16 |
| 85362 | 2 x 1,5 | 8,5 | 1000 | 30,0 | 301,6 | 16 |
| 85365 | 2 x 1,5 | 8,5 | 1500 | 30,0 | 446,6 | 16 |
| 85374 | 3 G 1,5 | 8,9 | 300 | 32,8 | 146,2 | 16 |
| 85376 | 3 G 1,5 | 8,9 | 500 | 32,8 | 232,2 | 16 |
| 85379 | 3 G 1,5 | 8,9 | 1000 | 32,8 | 447,2 | 16 |
| 85382 | 3 G 1,5 | 8,9 | 1500 | 32,8 | 662,2 | 16 |
| 85408 | 5 G 1,5 | 10,9 | 300 | 38,8 | 244,8 | 16 |
| 85410 | 5 G 1,5 | 10,9 | 500 | 38,8 | 388,8 | 16 |
| 85413 | 5 G 1,5 | 10,9 | 1000 | 38,8 | 748,8 | 16 |
| 85416 | 5 G 1,5 | 10,9 | 1500 | 38,8 | 1108,8 | 16 |
| 85425 | 7 G 1,5 | 12,2 | 300 | 46,4 | 343,4 | 16 |
| 85427 | 7 G 1,5 | 12,2 | 500 | 46,4 | 545,4 | 16 |
| 85430 | 7 G 1,5 | 12,2 | 1000 | 46,4 | 1050,4 | 16 |
| 85433 | 7 G 1,5 | 12,2 | 1500 | 46,4 | 1555,4 | 16 |
| 85442 | 12 G 1,5 | 16,6 | 300 | 65,2 | 588,2 | 16 |
| 85444 | 12 G 1,5 | 16,6 | 500 | 65,2 | 934,2 | 16 |
| 85447 | 12 G 1,5 | 16,6 | 1000 | 65,2 | 1799,2 | 16 |
| 85450 | 12 G 1,5 | 16,6 | 1500 | 65,2 | 2664,2 | 16 |
| 85459 | 3 G 2,5 | 10,6 | 300 | 38,2 | 244,8 | 14 |
| 85461 | 3 G 2,5 | 10,6 | 500 | 38,2 | 388,8 | 14 |
| 85464 | 3 G 2,5 | 10,6 | 1000 | 38,2 | 748,8 | 14 |
| 85467 | 3 G 2,5 | 10,6 | 1500 | 38,2 | 1108,8 | 14 |
| 85493 | 5 G 2,5 | 13,2 | 300 | 48,4 | 408,0 | 14 |
| 85495 | 5 G 2,5 | 13,2 | 500 | 48,4 | 648,0 | 14 |
| 85498 | 5 G 2,5 | 13,2 | 1000 | 48,4 | 1248,0 | 14 |
| 85501 | 5 G 2,5 | 13,2 | 1500 | 48,4 | 1848,0 | 14 |

PUR electronic spiral cables screened



Technical Data

- Temperature range -25 to +70°C
- Nominal voltage 300V
- Test voltage 2000V
- **Expansion ratio 1:4**
- Straight ends (tangential) 200 mm each

Cable structure

- Bare copper conductor, fine wire stranded
- TPE-E core insulation
- Cores stranded in layers
- Core identification acc. to DIN 47100
- Wound screen
- PUR outer sheath
- **Sheath colour: black**

Application

Control technology

Note

- Unexpanded spiral lengths of up to 5000 mm are available on request

| Part No. | Cores x cross-section mm ² | Cable diameter approx. mm | Spiral length unexpanded (WL in mm) | Spiral outer diameter approx. mm | Copper count weight kg/1000 Stück | AWG-No. approx. value |
|----------|---------------------------------------|---------------------------|-------------------------------------|----------------------------------|-----------------------------------|-----------------------|
| 85900 | 2 x 0,14 | 3,8 | 300 | 13,6 | 30,6 | 26 |
| 85901 | 2 x 0,14 | 3,8 | 400 | 13,6 | 39,6 | 26 |
| 85902 | 2 x 0,14 | 3,8 | 500 | 13,6 | 48,6 | 26 |
| 85905 | 2 x 0,14 | 3,8 | 1000 | 13,6 | 93,6 | 26 |
| 600154 | 3 x 0,14 | 4,1 | 300 | 15,2 | 44,2 | 26 |
| 600155 | 3 x 0,14 | 4,1 | 400 | 15,2 | 55,8 | 26 |
| 600156 | 3 x 0,14 | 4,1 | 500 | 15,2 | 67,5 | 26 |
| 600157 | 3 x 0,14 | 4,1 | 1000 | 15,2 | 135,0 | 26 |
| 85916 | 4 x 0,14 | 4,6 | 300 | 16,2 | 47,6 | 26 |
| 85917 | 4 x 0,14 | 4,6 | 400 | 16,2 | 61,6 | 26 |
| 85918 | 4 x 0,14 | 4,6 | 500 | 16,2 | 75,6 | 26 |
| 85921 | 4 x 0,14 | 4,6 | 1000 | 16,2 | 145,6 | 26 |
| 85924 | 5 x 0,14 | 4,6 | 300 | 17,2 | 54,4 | 26 |
| 85925 | 5 x 0,14 | 4,6 | 400 | 17,2 | 70,4 | 26 |
| 85926 | 5 x 0,14 | 4,6 | 500 | 17,2 | 86,4 | 26 |
| 85929 | 5 x 0,14 | 4,6 | 1000 | 17,2 | 166,4 | 26 |
| 85932 | 6 x 0,14 | 5,2 | 300 | 19,4 | 64,6 | 26 |
| 85933 | 6 x 0,14 | 5,2 | 400 | 19,4 | 83,6 | 26 |
| 85934 | 6 x 0,14 | 5,2 | 500 | 19,4 | 102,6 | 26 |
| 85937 | 6 x 0,14 | 5,2 | 1000 | 19,4 | 197,6 | 26 |
| 85940 | 7 x 0,14 | 5,6 | 300 | 20,2 | 68,0 | 26 |
| 85941 | 7 x 0,14 | 5,6 | 400 | 20,2 | 88,0 | 26 |
| 85942 | 7 x 0,14 | 5,6 | 500 | 20,2 | 108,0 | 26 |
| 85945 | 7 x 0,14 | 5,6 | 1000 | 20,2 | 208,0 | 26 |

Dimensions and specifications may change without prior notice.

Enquiry Spiral Cable

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 Germany

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info@helukabel.de
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Sender (stamp)

Contact

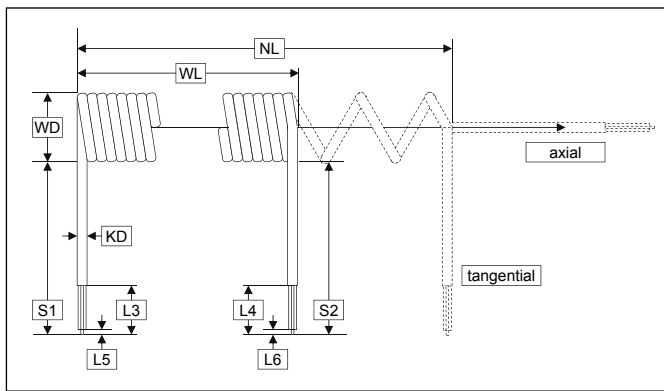
Phone Fax

Enquiry No.

Date

Requirement pcs once continuous

yearly requirement approx. pcs



... also available with ready moulded or mounted plugs



If you should require a special design please enclose a sketch

- 1. Sheath type PVC PUR
- 2. Outer sheath colour
- 3. Type No. of cores x cross section x mm²
- 4. Screen yes:
- 5. Spiral length (WL closed)
- 6. Max. elongation (extended spiral)
- 7. Spiral outer diameter WD
- 8. Internal diameter KD
- 9. End lengths (axial or tangential)
- S1 mm² S2 mm²

Comments

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Characteristics PVC (Polyvinylchlorid)

PVC spiral cables offer a high degree of economy. They are suitable for installation wherever a light duty cable is required.

Characteristics PUR (Polyurethan)

Good resistance to chemicals and cold conditions. Good performance characteristics in all weather conditions, excellent mechanical properties such as tear and abrasion resistance, excellent oil resistance.



Logistic Centre / Hemmingen

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