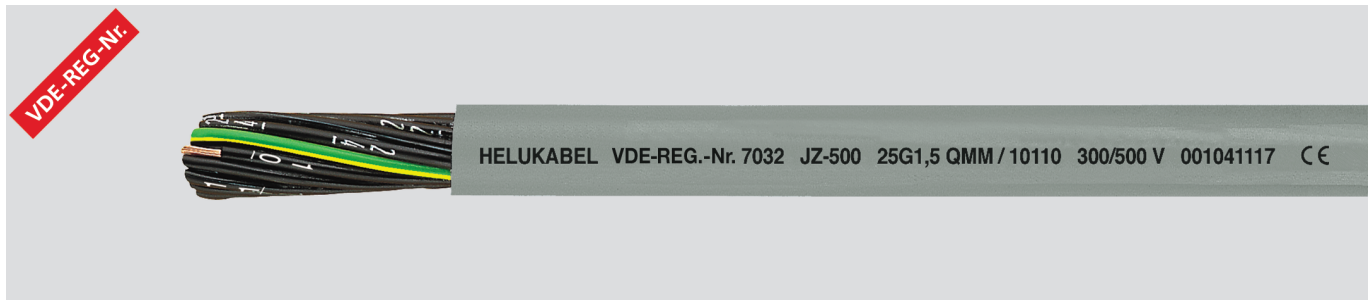


JZ-500

flexible, number coded, meter marking



Technical data

- PVC cable adapted to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51
- **Temperature range**
flexing -15°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage**
4000 V
- **Breakdown voltage**
min. 8000 V
- **Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø

Cable structure

- Bare copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of PVC compound type Z 7225
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay length
- Outer sheath of PVC compound type TM2 to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1
- Sheath colour: grey (RAL 7001)
- With meter marking

Properties

- Extensively oil resistant, oil-/chemical resistance see "Technical Information"
- Conditional drag chain compatible
- Conditional suitability for torsion
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- Flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

Note

- G = with GN-YE conductor
x = without GN-YE conductor (OZ)
- Please note "cleanroom qualified" when ordering.
- AWG sizes are approximate equivalent values. The actual cross section is in mm².
- Screened analogue type:

F-CY-JZ,
F-CY-OZ (LiY-CY),
Y-CY-JB,
Y-CY-JZ

Application

These cables are appropriate for flexible use with medium mechanical stresses, and free movement without tensile stress or forced movements in dry, moist and wet rooms but not open air. Suitable to be used as connecting and control cables in tool machines, conveyor belts, assembly lines, plant engineering, AC technology, steel production and other manufacturing environments. Selected PVC compounds guarantee good flexibility as well as an economic and fast installation.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

| Part no. | No. cores x cross-sec. mm ² | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No. |
|----------|--|-----------------|---------------------|---------------------|---------|
| 10001 | 2 x 0,5 | 4,8 | 9,6 | 40,0 | 20 |
| 10002 | 3 G 0,5 | 5,1 | 14,4 | 46,0 | 20 |
| 10003 | 3 x 0,5 | 5,1 | 14,4 | 46,0 | 20 |
| 10004 | 4 G 0,5 | 5,5 | 19,0 | 56,0 | 20 |
| 10005 | 4 x 0,5 | 5,5 | 19,0 | 56,0 | 20 |
| 10006 | 5 G 0,5 | 6,2 | 24,0 | 65,0 | 20 |
| 10007 | 5 x 0,5 | 6,2 | 24,0 | 65,0 | 20 |
| 10008 | 6 G 0,5 | 6,7 | 29,0 | 75,0 | 20 |
| 10009 | 7 G 0,5 | 6,7 | 33,6 | 80,0 | 20 |
| 10010 | 7 x 0,5 | 6,7 | 33,6 | 80,0 | 20 |
| 10011 | 8 G 0,5 | 7,4 | 38,0 | 97,0 | 20 |
| 10172 | 8 x 0,5 | 7,4 | 38,0 | 97,0 | 20 |
| 10012 | 10 G 0,5 | 8,6 | 48,0 | 116,0 | 20 |
| 10013 | 12 G 0,5 | 9,1 | 58,0 | 135,0 | 20 |
| 10014 | 12 x 0,5 | 9,1 | 58,0 | 135,0 | 20 |
| 10015 | 14 G 0,5 | 9,5 | 67,0 | 150,0 | 20 |

| Part no. | No. cores x cross-sec. mm ² | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No. |
|----------|--|-----------------|---------------------|---------------------|---------|
| 10183 | 16 G 0,5 | 10,0 | 76,0 | 175,0 | 20 |
| 10016 | 18 G 0,5 | 10,7 | 86,0 | 196,0 | 20 |
| 10017 | 20 G 0,5 | 11,3 | 96,0 | 215,0 | 20 |
| 10018 | 21 G 0,5 | 11,3 | 101,0 | 240,0 | 20 |
| 10019 | 25 G 0,5 | 12,6 | 120,0 | 270,0 | 20 |
| 10020 | 30 G 0,5 | 13,5 | 144,0 | 310,0 | 20 |
| 10021 | 32 G 0,5 | 14,0 | 154,0 | 323,0 | 20 |
| 10022 | 34 G 0,5 | 14,7 | 163,0 | 362,0 | 20 |
| 10023 | 40 G 0,5 | 15,3 | 192,0 | 434,0 | 20 |
| 10024 | 42 G 0,5 | 15,8 | 202,0 | 449,0 | 20 |
| 10025 | 50 G 0,5 | 17,3 | 240,0 | 513,0 | 20 |
| 10169 | 52 G 0,5 | 17,3 | 252,0 | 534,0 | 20 |
| 10026 | 61 G 0,5 | 18,5 | 293,0 | 625,0 | 20 |
| 10027 | 65 G 0,5 | 19,2 | 312,0 | 682,0 | 20 |
| 10028 | 80 G 0,5 | 21,3 | 384,0 | 780,0 | 20 |
| 10029 | 100 G 0,5 | 23,8 | 480,0 | 980,0 | 20 |

Continuation ▶

JZ-500

flexible, number coded, meter marking



| Part no. | No. cores x cross-sec. mm ² | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No. |
|----------|--|-----------------|---------------------|---------------------|---------|
| 10030 | 2 x 0,75 | 5,3 | 14,4 | 46,0 | 19 |
| 10031 | 3 G 0,75 | 5,6 | 21,6 | 54,0 | 19 |
| 10032 | 3 x 0,75 | 5,6 | 21,6 | 54,0 | 19 |
| 10033 | 4 G 0,75 | 6,3 | 28,8 | 66,0 | 19 |
| 10034 | 4 x 0,75 | 6,3 | 28,8 | 66,0 | 19 |
| 10035 | 5 G 0,75 | 6,9 | 36,0 | 80,0 | 19 |
| 10036 | 5 x 0,75 | 6,9 | 36,0 | 80,0 | 19 |
| 10037 | 6 G 0,75 | 7,7 | 43,0 | 99,0 | 19 |
| 10177 | 6 x 0,75 | 7,7 | 43,0 | 99,0 | 19 |
| 10038 | 7 G 0,75 | 7,7 | 50,0 | 110,0 | 19 |
| 10039 | 7 x 0,75 | 7,7 | 50,0 | 110,0 | 19 |
| 10040 | 8 G 0,75 | 8,3 | 58,0 | 130,0 | 19 |
| 10173 | 8 x 0,75 | 8,3 | 58,0 | 130,0 | 19 |
| 10041 | 9 G 0,75 | 9,1 | 65,0 | 153,0 | 19 |
| 10042 | 10 G 0,75 | 9,8 | 72,0 | 162,0 | 19 |
| 10043 | 12 G 0,75 | 10,1 | 86,0 | 179,0 | 19 |
| 10044 | 12 x 0,75 | 10,1 | 86,0 | 179,0 | 19 |
| 10045 | 14 G 0,75 | 10,8 | 101,0 | 214,0 | 19 |
| 10046 | 15 G 0,75 | 11,4 | 108,0 | 218,0 | 19 |
| 10047 | 18 G 0,75 | 12,2 | 130,0 | 257,0 | 19 |
| 10533 | 19 G 0,75 | 12,2 | 137,0 | 264,0 | 19 |
| 10048 | 20 G 0,75 | 12,8 | 144,0 | 286,0 | 19 |
| 10049 | 21 G 0,75 | 12,8 | 151,0 | 320,0 | 19 |
| 10050 | 25 G 0,75 | 14,3 | 180,0 | 365,0 | 19 |
| 10534 | 27 G 0,75 | 14,5 | 195,0 | 382,0 | 19 |
| 10051 | 32 G 0,75 | 15,9 | 230,0 | 455,0 | 19 |
| 10052 | 34 G 0,75 | 16,7 | 245,0 | 510,0 | 19 |
| 10182 | 37 G 0,75 | 16,7 | 266,0 | 537,0 | 19 |
| 10053 | 40 G 0,75 | 17,3 | 288,0 | 595,0 | 19 |
| 10054 | 41 G 0,75 | 18,1 | 296,0 | 607,0 | 19 |
| 10055 | 42 G 0,75 | 18,1 | 302,0 | 612,0 | 19 |
| 10056 | 50 G 0,75 | 19,8 | 360,0 | 735,0 | 19 |
| 10057 | 61 G 0,75 | 21,2 | 439,0 | 845,0 | 19 |
| 10178 | 65 G 0,75 | 22,0 | 468,0 | 895,0 | 19 |
| 10058 | 80 G 0,75 | 24,3 | 576,0 | 1070,0 | 19 |
| 10059 | 100 G 0,75 | 27,1 | 720,0 | 1322,0 | 19 |
| 10060 | 2 x 1 | 5,6 | 19,2 | 60,0 | 18 |
| 10061 | 3 G 1 | 6,1 | 29,0 | 72,0 | 18 |
| 10062 | 3 x 1 | 6,1 | 29,0 | 72,0 | 18 |
| 10063 | 4 G 1 | 6,6 | 38,0 | 86,0 | 18 |
| 10064 | 4 x 1 | 6,6 | 38,0 | 86,0 | 18 |
| 10065 | 5 G 1 | 7,5 | 48,0 | 104,0 | 18 |
| 10066 | 5 x 1 | 7,5 | 48,0 | 104,0 | 18 |
| 10067 | 6 G 1 | 8,1 | 58,0 | 125,0 | 18 |
| 10068 | 7 G 1 | 8,1 | 67,0 | 141,0 | 18 |
| 10069 | 7 x 1 | 8,1 | 67,0 | 141,0 | 18 |
| 10070 | 8 G 1 | 9,0 | 77,0 | 175,0 | 18 |
| 10071 | 9 G 1 | 9,8 | 86,0 | 200,0 | 18 |
| 10180 | 10 G 1 | 10,6 | 96,0 | 217,0 | 18 |
| 10170 | 10 x 1 | 10,6 | 96,0 | 217,0 | 18 |
| 10072 | 12 G 1 | 10,9 | 115,0 | 230,0 | 18 |
| 10073 | 12 x 1 | 10,9 | 115,0 | 230,0 | 18 |
| 10074 | 14 G 1 | 11,5 | 134,0 | 271,0 | 18 |
| 10075 | 16 G 1 | 12,3 | 154,0 | 300,0 | 18 |
| 10076 | 18 G 1 | 12,9 | 173,0 | 343,0 | 18 |
| 10174 | 18 x 1 | 12,9 | 173,0 | 343,0 | 18 |
| 10197 | 19 G 1 | 12,9 | 182,0 | 355,0 | 18 |
| 10077 | 20 G 1 | 13,8 | 192,0 | 375,0 | 18 |
| 10184 | 20 x 1 | 13,8 | 192,0 | 375,0 | 18 |
| 10179 | 21 G 1 | 13,8 | 205,0 | 420,0 | 18 |
| 10175 | 24 G 1 | 15,4 | 230,0 | 440,0 | 18 |
| 10078 | 25 G 1 | 15,4 | 240,0 | 485,0 | 18 |
| 10176 | 25 x 1 | 15,4 | 240,0 | 485,0 | 18 |
| 10196 | 26 G 1 | 15,4 | 252,0 | 500,0 | 18 |
| 10198 | 27 G 1 | 15,4 | 259,0 | 534,0 | 18 |
| 10168 | 30 x 1 | 16,5 | 288,0 | 550,0 | 18 |
| 10079 | 34 G 1 | 17,9 | 326,0 | 650,0 | 18 |
| 10080 | 36 G 1 | 17,9 | 346,0 | 668,0 | 18 |
| 10199 | 37 G 1 | 17,9 | 355,0 | 701,0 | 18 |
| 10081 | 40 G 1 | 18,6 | 384,0 | 755,0 | 18 |
| 10167 | 40 x 1 | 18,6 | 384,0 | 755,0 | 18 |
| 10082 | 41 G 1 | 19,4 | 394,0 | 770,0 | 18 |
| 10083 | 42 G 1 | 19,4 | 403,0 | 810,0 | 18 |
| 10084 | 50 G 1 | 21,3 | 480,0 | 936,0 | 18 |
| 10085 | 56 G 1 | 22,1 | 538,0 | 920,0 | 18 |
| 10086 | 61 G 1 | 22,7 | 586,0 | 1100,0 | 18 |
| 10087 | 65 G 1 | 23,6 | 628,0 | 1180,0 | 18 |
| 10088 | 80 G 1 | 26,3 | 768,0 | 1294,0 | 18 |
| 10089 | 100 G 1 | 29,3 | 960,0 | 1644,0 | 18 |
| 10090 | 2 x 1,5 | 6,4 | 29,0 | 70,0 | 16 |
| 10091 | 3 G 1,5 | 6,8 | 43,0 | 90,0 | 16 |
| 10092 | 3 x 1,5 | 6,8 | 43,0 | 90,0 | 16 |
| 10093 | 4 G 1,5 | 7,6 | 58,0 | 109,0 | 16 |
| 10094 | 4 x 1,5 | 7,6 | 58,0 | 109,0 | 16 |
| 10095 | 5 G 1,5 | 8,3 | 72,0 | 131,0 | 16 |
| 10096 | 5 x 1,5 | 8,3 | 72,0 | 131,0 | 16 |
| 10097 | 6 G 1,5 | 9,2 | 86,0 | 157,0 | 16 |
| 10098 | 7 G 1,5 | 9,2 | 101,0 | 184,0 | 16 |

| Part no. | No. cores x cross-sec. mm ² | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No. |
|----------|--|-----------------|---------------------|---------------------|-----------|
| 10099 | 7 x 1,5 | 9,2 | 101,0 | 184,0 | 16 |
| 10100 | 8 G 1,5 | 10,1 | 115,0 | 216,0 | 16 |
| 11007735 | 8 x 1,5 | 10,1 | 115,0 | 216,0 | 16 |
| 10101 | 9 G 1,5 | 11,1 | 129,0 | 259,0 | 16 |
| 10181 | 10 G 1,5 | 12,0 | 144,0 | 275,0 | 16 |
| 10102 | 11 G 1,5 | 12,0 | 158,0 | 300,0 | 16 |
| 10103 | 12 G 1,5 | 12,4 | 173,0 | 309,0 | 16 |
| 10104 | 12 x 1,5 | 12,4 | 173,0 | 309,0 | 16 |
| 10105 | 14 G 1,5 | 13,0 | 202,0 | 345,0 | 16 |
| 10106 | 16 G 1,5 | 13,9 | 230,0 | 386,0 | 16 |
| 10107 | 18 G 1,5 | 14,8 | 259,0 | 440,0 | 16 |
| 10185 | 19 G 1,5 | 14,8 | 279,0 | 445,0 | 16 |
| 10108 | 20 G 1,5 | 15,6 | 288,0 | 490,0 | 16 |
| 10109 | 21 G 1,5 | 15,6 | 302,0 | 555,0 | 16 |
| 10110 | 25 G 1,5 | 17,6 | 360,0 | 620,0 | 16 |
| 10535 | 27 G 1,5 | 17,6 | 389,0 | 670,0 | 16 |
| 10111 | 32 G 1,5 | 19,5 | 461,0 | 790,0 | 16 |
| 10112 | 34 G 1,5 | 20,2 | 490,0 | 830,0 | 16 |
| 10536 | 37 G 1,5 | 20,2 | 533,0 | 892,0 | 16 |
| 10113 | 41 G 1,5 | 22,1 | 591,0 | 996,0 | 16 |
| 10114 | 42 G 1,5 | 22,1 | 605,0 | 1007,0 | 16 |
| 10115 | 50 G 1,5 | 24,2 | 720,0 | 1250,0 | 16 |
| 10116 | 56 G 1,5 | 25,1 | 806,0 | 1332,0 | 16 |
| 10117 | 61 G 1,5 | 25,8 | 878,0 | 1440,0 | 16 |
| 10187 | 65 G 1,5 | 26,9 | 936,0 | 1602,0 | 16 |
| 10118 | 80 G 1,5 | 29,8 | 1152,0 | 1871,0 | 16 |
| 10119 | 100 G 1,5 | 33,2 | 1440,0 | 2353,0 | 16 |
| 10120 | 2 x 2,5 | 7,8 | 48,0 | 112,0 | 14 |
| 10121 | 3 G 2,5 | 8,3 | 72,0 | 148,0 | 14 |
| 10122 | 3 x 2,5 | 8,3 | 72,0 | 148,0 | 14 |
| 10123 | 4 G 2,5 | 9,2 | 96,0 | 178,0 | 14 |
| 10124 | 4 x 2,5 | 9,2 | 96,0 | 178,0 | 14 |
| 10125 | 5 G 2,5 | 10,1 | 120,0 | 221,0 | 14 |
| 10126 | 5 x 2,5 | 10,1 | 120,0 | 221,0 | 14 |
| 10127 | 7 G 2,5 | 11,2 | 168,0 | 306,0 | 14 |
| 10128 | 7 x 2,5 | 11,2 | 168,0 | 306,0 | 14 |
| 10129 | 8 G 2,5 | 12,3 | 192,0 | 363,0 | 14 |
| 11007736 | 8 x 2,5 | 12,3 | 192,0 | 363,0 | 14 |
| 10548 | 10 G 2,5 | 14,8 | 240,0 | 429,0 | 14 |
| 10130 | 12 G 2,5 | 15,3 | 288,0 | 498,0 | 14 |
| 10131 | 14 G 2,5 | 16,2 | 336,0 | 569,0 | 14 |
| 10132 | 18 G 2,5 | 18,2 | 432,0 | 764,0 | 14 |
| 10133 | 21 G 2,5 | 19,4 | 504,0 | 914,0 | 14 |
| 10134 | 25 G 2,5 | 21,6 | 600,0 | 1044,0 | 14 |
| 10135 | 34 G 2,5 | 25,2 | 816,0 | 1470,0 | 14 |
| 10136 | 42 G 2,5 | 27,3 | 1008,0 | 1790,0 | 14 |
| 10137 | 50 G 2,5 | 30,0 | 1200,0 | 2095,0 | 14 |
| 10138 | 61 G 2,5 | 32,2 | 1464,0 | 2750,0 | 14 |
| 10139 | 100 G 2,5 | 41,4 | 2400,0 | 4450,0 | 14 |
| 10140 | 2 x 4 | 9,2 | 77,0 | 195,0 | 12 |
| 10141 | 3 G 4 | 9,7 | 115,0 | 230,0 | 12 |
| 10142 | 4 G 4 | 10,8 | 154,0 | 295,0 | 12 |
| 10143 | 5 G 4 | 12,1 | 192,0 | 361,0 | 12 |
| 10144 | 7 G 4 | 13,4 | 269,0 | 458,0 | 12 |
| 10145 | 8 G 4 | 14,7 | 307,0 | 590,0 | 12 |
| 10549 | 10 G 4 | 17,6 | 384,0 | 687,0 | 12 |
| 10146 | 12 G 4 | 18,2 | 461,0 | 790,0 | 12 |
| 10147 | 3 G 6 | 11,9 | 173,0 | 355,0 | 10 |
| 10148 | 4 G 6 | 13,2 | 230,0 | 424,0 | 10 |
| 10149 | 5 G 6 | 14,7 | 288,0 | 525,0 | 10 |
| 10150 | 7 G 6 | 16,2 | 403,0 | 625,0 | 10 |
| 10151 | 3 G 10 | 14,8 | 288,0 | 540,0 | 8 |
| 10152 | 4 G 10 | 16,4 | 384,0 | 701,0 | 8 |
| 10153 | 5 G 10 | 18,3 | 480,0 | 858,0 | 8 |
| 10154 | 7 G 10 | 20,2 | 672,0 | 1106,0 | 8 |
| 10190 | 3 G 16 | 18,4 | 461,0 | 827,0 | 6 |
| 10155 | 4 G 16 | 20,4 | 614,0 | 1035,0 | 6 |
| 10156 | 5 G 16 | 22,8 | 768,0 | 1259,0 | 6 |
| 10157 | 7 G 16 | 25,2 | 1075,0 | 1780,0 | 6 |
| 10191 | 3 G 25 | 22,4 | 720,0 | 1186,0 | 4 |
| 10158 | 4 G 25 | 25,1 | 960,0 | 1582,0 | 4 |
| 10159 | 5 G 25 | 27,9 | 1200,0 | 1999,0 | 4 |
| 10160 | 7 G 25 | 30,8 | 1680,0 | 2825,0 | 4 |
| 10192 | 3 G 35 | 25,2 | 1008,0 | 1585,0 | 2 |
| 10161 | 4 G 35 | 27,9 | 1344,0 | 2105,0 | 2 |
| 10162 | 5 G 35 | 31,0 | 1680,0 | 2633,0 | 2 |
| 10193 | 3 G 50 | 29,9 | 1440,0 | 2550,0 | 1 |
| 10163 | 4 G 50 | 33,0 | 1920,0 | 2940,0 | 1 |
| 10188 | 5 G 50 | 37,0 | 2400,0 | 2936,0 | 1 |
| 10194 | 3 G 70 | 34,1 | 2016,0 | 3180,0 | 2/0 |
| 10164 | 4 G 70 | 37,9 | 2688,0 | 4090,0 | 2/0 |
| 10189 | 5 G 70 | 42,4 | 3360,0 | 5443,0 | 2/0 |
| 10195 | 3 G 95 | 39,6 | 2736,0 | 4680,0 | 3/0 |
| 10165 | 4 G 95 | 43,9 | 3648,0 | 5540,0 | 3/0 |
| 10333 | 5 G 95 | 49,0 | 4560,0 | 6931,0 | 3/0 |
| 10166 | 4 G 120 | 48,8 | 4608,0 | 7000,0 | 4/0 |
| 13139 | 4 G 150 | 54,4 | 5760,0 | 8340,0 | 300 kcmil |
| 13140 | 4 G 185 | 62,3 | 7104,0 | 9904,0 | 350 kcmil |

Dimensions and specifications may be changed without prior notice. (RA01)