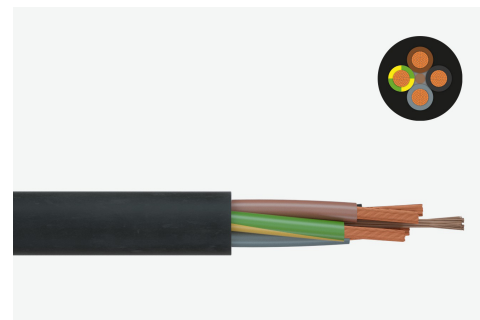


## SAVITLJIVI KABL · FLEXIBLE CABLE

## H07ZZ-F

Savitljivi gumeni kabl bez halogena za teška mehanička naprezanja (H07ZZ-F), 450/750 V, do 90 °C na provodniku.

Halogen-free rubber flexible cable for heavy mechanical stress (H07ZZ-F), 450/750 V, up to 90 °C conductor temperature.



## PRIMENA / APPLICATION

Upravljački i priključni kabl za suve, vlažne i mokre prostorije u industriji i poljoprivredi, za uređaje čiji su kablovi teško mehanički naprezani. U cevima i zatvorenim sistemima do 1000 V AC / 750 V DC.

Control and connection cable for dry, damp and wet rooms in industrial and agricultural workshops, for equipment under heavy mechanical stress. In tubes or closed systems up to 1000 V AC / 750 V DC to earth.

## KONSTRUKCIJA / CONSTRUCTION

**Provodnik / Conductor:** Cu uže, fina žica, kl.5 / fine-wire cl.5

**Izolacija / Insulation:** Guma bez halogena, EI8 / HF rubber, EI8

**Plast / Sheath:** Guma bez halogena, EM8, crn / EM8, black

**Identifikacija / Core ID:** DIN VDE 0293-308

## IDENTIFIKACIJA ŽILA / CORE ID

1 žila: crna · 2-5 žila: obojene žile · 6-36 žila: crne žile sa belim brojevima. G = sa žuto-zelenom zaštitnom žilom u spoljnom sloju; x = bez zaštitne žile. Plast: crn.

Single-core: black · 2-5 cores: coloured cores · 6-36 cores: black cores with white numbering. G = with green/yellow protective core in the outer layer; x = without protective core. Sheath: black.

## TEHNIČKE KARAKTERISTIKE / SPECS

Napon U<sub>0</sub>/U / Voltage 450 / 750 V

Ispitni napon / Test voltage 2,5 kV (žila/žila)

Maks. temp. provodnika / Max. cond. 90 °C

Temp. opseg, pokretno / Mobile -5 ... +80 °C

Temp. opseg, fiksno / Fixed -20 ... +80 °C

Savijanje / Bending 8 x D (4 x D fiksno)

## STANDARDI / STANDARDS

EN 50525-3-21 · EN 60754-2 · EN 60332-1-2 · EN 60332-3-24 · EN 61034-1/-2 · EN 60811-403 · HAR

## DIMENZIJE I PODACI / DIMENSION &amp; DATA

| Žile x presek<br>CORES x SECT. | približno<br>APPROX. | Spolj. prečnik min-maks<br>OUTER Ø MIN-MAX | Masa bakra<br>COPPER WT. | Masa<br>CABLE WT. |
|--------------------------------|----------------------|--------------------------------------------|--------------------------|-------------------|
| n x mm <sup>2</sup>            | AWG                  | mm                                         | kg/km                    | kg/km             |
| 1x1,5                          | 16                   | 5,7 – 7,1                                  | 14,4                     | 58,0              |
| 1x2,5                          | 14                   | 6,3 – 7,9                                  | 24,0                     | 71,0              |
| 1x4                            | 12                   | 7,2 – 9,0                                  | 38,0                     | 100,0             |
| 1x6                            | 10                   | 7,9 – 9,8                                  | 58,0                     | 130,0             |
| 1x10                           | 8                    | 9,5 – 11,9                                 | 96,0                     | 230,0             |
| 1x16                           | 6                    | 10,8 – 13,4                                | 154,0                    | 290,0             |
| 1x25                           | 4                    | 12,7 – 15,8                                | 240,0                    | 420,0             |
| 1x35                           | 2                    | 14,3 – 17,9                                | 336,0                    | 530,0             |
| 1x50                           | 1                    | 16,5 – 20,6                                | 480,0                    | 750,0             |
| 1x70                           | 2/0                  | 18,6 – 23,3                                | 672,0                    | 960,0             |
| 1x95                           | 3/0                  | 20,8 – 26,0                                | 912,0                    | 1250,0            |
| 1x120                          | 4/0                  | 22,8 – 28,6                                | 1152,0                   | 1560,0            |
| 1x150                          | 300 kcmil            | 25,2 – 31,4                                | 1440,0                   | 1900,0            |
| 1x185                          | 350 kcmil            | 27,6 – 34,4                                | 1776,0                   | 2300,0            |
| 1x240                          | 500 kcmil            | 30,6 – 38,3                                | 2304,0                   | 2950,0            |
| 1x300                          | 600 kcmil            | 33,5 – 41,9                                | 2880,0                   | 3600,0            |
| 1x400                          | 750 kcmil            | 37,4 – 46,8                                | 3840,0                   | 4600,0            |
| 1x500                          | 1000 kcmil           | 41,3 – 52,0                                | 4800,0                   | 6000,0            |
| 2x1                            | 18                   | 7,7 – 10,0                                 | 19,0                     | 95,0              |
| 2x1,5                          | 16                   | 8,5 – 11,0                                 | 29,0                     | 119,0             |
| 2x2,5                          | 14                   | 10,2 – 13,1                                | 48,0                     | 172,0             |
| 2x4                            | 12                   | 11,8 – 15,1                                | 77,0                     | 239,0             |
| 2x6                            | 10                   | 13,1 – 16,8                                | 115,0                    | 319,0             |
| 2x10                           | 8                    | 17,7 – 22,6                                | 192,0                    | 572,0             |
| 2x16                           | 6                    | 20,2 – 25,7                                | 307,0                    | 767,0             |
| 2x25                           | 4                    | 24,3 – 30,7                                | 480,0                    | 1154,0            |
| 3G1                            | 18                   | 8,3 – 10,7                                 | 29,0                     | 115,0             |
| 3G1,5                          | 16                   | 9,2 – 11,9                                 | 43,0                     | 144,0             |
| 3G2,5                          | 14                   | 10,9 – 14,0                                | 72,0                     | 211,0             |
| 3G4                            | 12                   | 12,7 – 16,2                                | 115,0                    | 290,0             |
| 3G6                            | 10                   | 14,1 – 18,0                                | 173,0                    | 391,0             |
| 3G10                           | 8                    | 19,1 – 24,2                                | 288,0                    | 706,0             |
| 3G16                           | 6                    | 21,8 – 27,6                                | 461,0                    | 961,0             |
| 3G25                           | 4                    | 26,1 – 33,0                                | 720,0                    | 1438,0            |
| 3G35                           | 2                    | 29,3 – 37,1                                | 1008,0                   | 1814,0            |
| 3G50                           | 1                    | 34,1 – 42,9                                | 1440,0                   | 2550,0            |
| 3G70                           | 2/0                  | 38,4 – 48,3                                | 2016,0                   | 3210,0            |
| 3G95                           | 3/0                  | 43,3 – 54,0                                | 2736,0                   | 4423,0            |
| 3G120                          | 4/0                  | 47,4 – 60,0                                | 3456,0                   | 5405,0            |
| 3G150                          | 300 kcmil            | 52,0 – 66,0                                | 4320,0                   | 6725,0            |
| 3G185                          | 350 kcmil            | 57,0 – 72,0                                | 5328,0                   | 8222,0            |
| 3G240                          | 500 kcmil            | 65,0 – 82,0                                | 6192,0                   | 10224,0           |
| 3G300                          | 600 kcmil            | 72,0 – 90,0                                | 8640,0                   | 12620,0           |

## DIMENZIJE I PODACI (NASTAVAK) / DIMENSION &amp; DATA (CONT.)

| Žile x presek<br>CORES x SECT. | približno<br>APPROX. | Spolj. prečnik min-maks<br>OUTER Ø MIN-MAX | Masa bakra<br>COPPER WT. | Masa<br>CABLE WT. |
|--------------------------------|----------------------|--------------------------------------------|--------------------------|-------------------|
| n x mm <sup>2</sup>            | AWG                  | mm                                         | kg/km                    | kg/km             |
| 4G1                            | 18                   | 9,2 – 11,9                                 | 38,0                     | 141,0             |
| 4G1,5                          | 16                   | 10,2 – 13,1                                | 58,0                     | 176,0             |
| 4G2,5                          | 14                   | 12,1 – 15,5                                | 96,0                     | 235,0             |
| 4G4                            | 12                   | 14,0 – 17,9                                | 154,0                    | 365,0             |
| 4G6                            | 10                   | 15,7 – 20,0                                | 230,0                    | 501,0             |
| 4G10                           | 8                    | 20,9 – 26,5                                | 384,0                    | 872,0             |
| 4G16                           | 6                    | 23,8 – 30,1                                | 614,0                    | 1194,0            |
| 4G25                           | 4                    | 28,9 – 36,6                                | 960,0                    | 1822,0            |
| 4G35                           | 2                    | 32,5 – 41,1                                | 1344,0                   | 2307,0            |
| 4G50                           | 1                    | 37,7 – 47,5                                | 1920,0                   | 3253,0            |
| 4G70                           | 2/0                  | 42,7 – 54,0                                | 2688,0                   | 4130,0            |
| 4G95                           | 3/0                  | 48,4 – 61,0                                | 3648,0                   | 5720,0            |
| 4G120                          | 4/0                  | 53,0 – 66,0                                | 4608,0                   | 6965,0            |
| 4G150                          | 300 kcmil            | 58,0 – 73,0                                | 5760,0                   | 8644,0            |
| 4G185                          | 350 kcmil            | 64,0 – 80,0                                | 7104,0                   | 10598,0           |
| 4G240                          | 500 kcmil            | 72,0 – 91,0                                | 9216,0                   | 12100,0           |
| 4G300                          | 600 kcmil            | 80,0 – 101,0                               | 11520,0                  | 15200,0           |
| 5G1                            | 18                   | 10,2 – 13,1                                | 48,0                     | 170,0             |
| 5G1,5                          | 16                   | 11,2 – 14,4                                | 72,0                     | 214,0             |
| 5G2,5                          | 14                   | 13,3 – 17,0                                | 120,0                    | 316,0             |
| 5G4                            | 12                   | 15,6 – 19,9                                | 192,0                    | 448,0             |
| 5G6                            | 10                   | 17,5 – 22,2                                | 288,0                    | 607,0             |
| 5G10                           | 8                    | 22,9 – 29,1                                | 480,0                    | 1075,0            |
| 5G16                           | 6                    | 26,4 – 33,3                                | 768,0                    | 1480,0            |
| 5G25                           | 4                    | 32,0 – 40,4                                | 1200,0                   | 2255,0            |
| 6G1,5                          | 16                   | 13,4 – 17,2                                | 84,0                     | 287,0             |
| 6G2,5                          | 14                   | 15,7 – 20,0                                | 144,0                    | 420,0             |
| 6G4                            | 12                   | 18,2 – 23,2                                | 230,0                    | 583,0             |
| 7G1,5                          | 16                   | 14,7 – 18,7                                | 101,0                    | 303,0             |
| 7G2,5                          | 14                   | 17,1 – 21,8                                | 168,0                    | 448,0             |
| 12G1,5                         | 16                   | 17,6 – 22,4                                | 173,0                    | 496,0             |
| 12G2,5                         | 14                   | 20,6 – 26,2                                | 288,0                    | 724,0             |
| 12G4                           | 12                   | 24,4 – 30,9                                | 461,0                    | 1042,0            |
| 18G1,5                         | 16                   | 20,7 – 26,3                                | 259,0                    | 702,0             |
| 18G2,5                         | 14                   | 24,4 – 30,9                                | 432,0                    | 1045,0            |
| 18G4                           | 12                   | 28,8 – 36,4                                | 691,0                    | 1430,0            |
| 24G1,5                         | 16                   | 24,3 – 30,7                                | 346,0                    | 935,0             |
| 24G2,5                         | 14                   | 28,8 – 36,4                                | 576,0                    | 1325,0            |
| 36G1,5                         | 16                   | 27,8 – 35,2                                | 518,0                    | 1297,0            |
| 36G2,5                         | 14                   | 33,2 – 41,8                                | 864,0                    | 1949,0            |

## NAPOMENE / NOTES

- Prečnici (min-maks) i mase su približne vrednosti; AWG podaci su orijentacioni (provodnici su metrički). / Diameters (min-max) and masses are approximate; AWG values are for orientation only (conductors are metric).
- Sve vrednosti su orijentacione i podložne izmenama bez najave. / All values are indicative and subject to change without notice.