

## SKL-YY-JZ



### Application

These cables are ideal for use in the machine tool industry, in robotics and machine production and anywhere where high flexibility is essential. These cables have shown excellent performance in combination with standard cable trays. These cables are suitable for flexible use for medium mechanical stresses with free movements.

### Standards

adapted to DIN VDE 0285-525-2-51

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

### Construction

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Inner Conductor</b>           | extra fine wire conductors, bare copper acc. DIN VDE 0295 cl. 6 / IEC 60228                                 |
| <b>Core Insulation</b>           | special polyvinylchlorid compound (PVC)                                                                     |
| <b>Core Color</b>                | black cores with continuous white numbering, green-yellow earth core in the outer layer (3 cores and above) |
| <b>Stranding Elements</b>        | cores stranded in layers with optimal lay length                                                            |
| <b>Inner Sheath Material</b>     | core wrapping with fleece                                                                                   |
| <b>Outer Insulation Material</b> | special PVC outer sheath, Typ TM5 to DIN VDE 0285-525-1                                                     |
| <b>Constant Against</b>          | oil resistant                                                                                               |

### Technical Data

|                                     |                      |
|-------------------------------------|----------------------|
| <b>Nominal Voltage</b>              | $U_0/U$ : 300 /500 V |
| <b>Nominal Volatage DC</b>          | $U_0/U$ : 0 /0       |
| <b>Test Voltage</b>                 | 4000 V               |
| <b>Bending Radius moved (xD)</b>    | 7.5                  |
| <b>Bending Radius fixed (xD)</b>    | 4                    |
| <b>Operating Temperature solid</b>  | -40 °C bis 80 °C     |
| <b>Operating Temperature moving</b> | -5 °C bis 80 °C      |
| <b>Fire Classes</b>                 | Eca                  |

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| Prod. Nr.<br>Prod. Nr. | Option<br>Option | Dimensions<br>Dimensions | Color<br>Color | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|------------------------|------------------|--------------------------|----------------|--------------------------------------------------|------------------------------------------------------------|
| 01103039               | OZ               | 2 x 0,5                  | grey - grey    | 54.0                                             | 7.2                                                        |
| 01103006               | OZ               | 2 x 0,75                 | grey - grey    | 64.0                                             | 7.7                                                        |
| 01103040               | OZ               | 2 x 1                    | grey - grey    | 71.0                                             | 7.9                                                        |
| 01103036               | OZ               | 2 x 1,5                  | grey - grey    | 86.0                                             | 8.1                                                        |
| 01103087               | OZ               | 2 x 2,5                  | grey - grey    | 130.0                                            | 7.7                                                        |
| 01103045               | JZ               | 3 x 0,5                  | grey - grey    | 65.0                                             | 6.7                                                        |
| 01103005               | JZ               | 3 x 0,75                 | grey - grey    | 79.0                                             | 8.1                                                        |
| 01103016               | JZ               | 3 x 1                    | grey - grey    | 89.0                                             | 8.3                                                        |
| 01103022               | JZ               | 3 x 1,5                  | grey - grey    | 110.0                                            | 8.9                                                        |
| 01103032               | JZ               | 3 x 2,5                  | grey - grey    | 172.0                                            | 10.5                                                       |
| 01103001               | JZ               | 4 x 0,5                  | grey - grey    | 80.0                                             | 8.0                                                        |
| 01103007               | JZ               | 4 x 0,75                 | grey - grey    | 98.0                                             | 8.7                                                        |
| 01103017               | JZ               | 4 x 1                    | grey - grey    | 100.0                                            | 9.0                                                        |
| 01103023               | JZ               | 4 x 1,5                  | grey - grey    | 150.0                                            | 9.5                                                        |
| 01103028               | JZ               | 4 x 2,5                  | grey - grey    | 207.0                                            | 11.4                                                       |
| 01103101               | JZ               | 4 x 4                    | grey - grey    | 260.0                                            | 11.4                                                       |
| 01103106               | JZ               | 4 x 6                    | grey - grey    | 392.0                                            | 13.3                                                       |
| 01103099               | JZ               | 4 x 10                   | grey - grey    | 734.0                                            | 20.9                                                       |
| 01103102               | JZ               | 4 x 16                   | grey - grey    | 926.0                                            | 19.8                                                       |
| 01103002               | JZ               | 5 x 0,5                  | grey - grey    | 96.0                                             | 8.7                                                        |
| 01103008               | JZ               | 5 x 0,75                 | grey - grey    | 117.0                                            | 9.4                                                        |
| 01103019               | JZ               | 5 x 1                    | grey - grey    | 133.0                                            | 9.7                                                        |
| 01103024               | JZ               | 5 x 1,5                  | grey - grey    | 168.0                                            | 10.5                                                       |
| 01103042               | JZ               | 5 x 2,5                  | grey - grey    | 249.0                                            | 12.5                                                       |

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|------------------------|------------------|--------------------------|----------------|--------------------------------------------------|------------------------------------------------------------|
| 01103105               | JZ               | 5 x 4                    | grey - grey    | 318.0                                            | 12.7                                                       |
| 01103107               | JZ               | 5 x 6                    | grey - grey    | 481.0                                            | 14.5                                                       |
| 01103100               | JZ               | 5 x 10                   | grey - grey    | 885.0                                            | 23.0                                                       |
| 01103038               | JZ               | 5 x 16                   | grey - grey    | 1,256.0                                          | 25.7                                                       |
| 01103004               | JZ               | 7 x 0,5                  | grey - grey    | 130.0                                            | 10.1                                                       |
| 01103033               | JZ               | 7 x 0,75                 | grey - grey    | 159.0                                            | 10.9                                                       |
| 01103020               | JZ               | 7 x 1                    | grey - grey    | 182.0                                            | 11.2                                                       |
| 01103025               | JZ               | 7 x 1,5                  | grey - grey    | 232.0                                            | 12.2                                                       |
| 01103030               | JZ               | 7 x 2,5                  | grey - grey    | 310.0                                            | 16.0                                                       |
| 01103133               | UL               | 8 x 4                    | grey - grey    | 459.0                                            | 16.3                                                       |
| 01103103               | JZ               | 10 x 0,5                 | grey - grey    | 161.0                                            | 9.1                                                        |
| 01103055               | JZ               | 10 x 0,75                | grey - grey    | 216.0                                            | 10.1                                                       |
| 01103044               | JZ               | 10 x 1                   | grey - grey    | 251.0                                            | 10.7                                                       |
| 01103075               | JZ               | 10 x 1,5                 | grey - grey    | 344.0                                            | 11.9                                                       |
| 01103034               | JZ               | 12 x 0,5                 | grey - grey    | 179.0                                            | 11.9                                                       |
| 01103010               | JZ               | 12 x 0,75                | grey - grey    | 224.0                                            | 13.0                                                       |
| 01103011               | JZ               | 12 x 1                   | grey - grey    | 261.0                                            | 13.4                                                       |
| 01103026               | JZ               | 12 x 1,5                 | grey - grey    | 351.0                                            | 15.0                                                       |
| 01103031               | JZ               | 12 x 2,5                 | grey - grey    | 480.0                                            | 19.1                                                       |
| 01103048               | JZ               | 14 x 0,5                 | grey - grey    | 213.0                                            | 9.8                                                        |
| 01103065               | JZ               | 14 x 1                   | grey - grey    | 337.0                                            | 11.6                                                       |
| 01103049               | JZ               | 16 x 0,5                 | grey - grey    | 260.0                                            | 10.3                                                       |
| 01103057               | JZ               | 16 x 0,75                | grey - grey    | 320.0                                            | 11.5                                                       |
| 01103066               | JZ               | 16 x 1                   | grey - grey    | 379.0                                            | 12.2                                                       |

| Prod. Nr.<br>Prod. Nr. | Option<br>Option | Dimensions<br>Dimensions | Color<br>Color | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|------------------------|------------------|--------------------------|----------------|--------------------------------------------------|------------------------------------------------------------|
| 01103037               | JZ               | 18 x 0,5                 | grey - grey    | 254.0                                            | 13.3                                                       |
| 01103013               | JZ               | 18 x 0,75                | grey - grey    | 335.0                                            | 15.5                                                       |
| 01103012               | JZ               | 18 x 1                   | grey - grey    | 390.0                                            | 16.0                                                       |
| 01103021               | JZ               | 18 x 1,5                 | grey - grey    | 507.0                                            | 17.5                                                       |
| 01103136               | JZ               | 18 x 2,5                 | grey - grey    | 532.0                                            | 22.2                                                       |
| 01103067               | JZ               | 20 x 1                   | grey - grey    | 480.0                                            | 13.6                                                       |
| 01103003               | JZ               | 25 x 0,5                 | grey - grey    | 358.0                                            | 16.7                                                       |
| 01103035               | JZ               | 25 x 0,75                | grey - grey    | 468.0                                            | 18.7                                                       |
| 01103014               | JZ               | 25 x 1                   | grey - grey    | 545.0                                            | 19.3                                                       |
| 01103027               | JZ               | 25 x 1,5                 | grey - grey    | 708.0                                            | 21.1                                                       |
| 01103092               | JZ               | 25 x 2,5                 | grey - grey    | 1,100.0                                          | 22.5                                                       |
| 01103050               | JZ               | 30 x 0,5                 | grey - grey    | 432.0                                            | 13.7                                                       |
| 01103068               | JZ               | 30 x 1                   | grey - grey    | 695.0                                            | 16.4                                                       |
| 01103051               | JZ               | 34 x 0,5                 | grey - grey    | 487.0                                            | 15.0                                                       |
| 01103059               | JZ               | 34 x 0,75                | grey - grey    | 550.0                                            | 16.6                                                       |
| 01103018               | JZ               | 34 x 1                   | grey - grey    | 700.0                                            | 21.5                                                       |
| 01103080               | JZ               | 34 x 1,5                 | grey - grey    | 1,084.0                                          | 19.7                                                       |
| 01103052               | JZ               | 36 x 0,5                 | grey - grey    | 518.0                                            | 15.0                                                       |
| 01103069               | JZ               | 36 x 1                   | grey - grey    | 825.0                                            | 17.8                                                       |
| 01103070               | JZ               | 41 x 1                   | grey - grey    | 926.0                                            | 19.3                                                       |
| 01103061               | JZ               | 42 x 0,75                | grey - grey    | 600.0                                            | 18.1                                                       |
| 01103072               | JZ               | 50 x 1                   | grey - grey    | 1,092.0                                          | 21.2                                                       |
| 01103083               | JZ               | 50 x 1,5                 | grey - grey    | 1,521.0                                          | 23.7                                                       |
| 01103074               | JZ               | 65 x 1                   | grey - grey    | 1,400.0                                          | 23.7                                                       |