

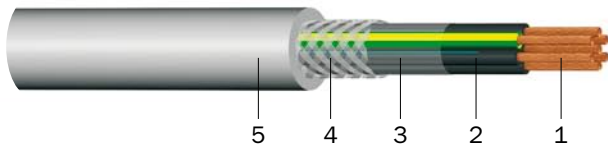
## YSLCY / YSLCY intrinsically safe (SKW-Controlflex-C)

### Control cable, screened

Standard: SKW standard similar to ÖVE and VDE

#### Application:

For the electrical interconnection of components of production facilities and machine tools if a certain level of screening is required. Limited resistant against universal mineral oil and not intended for permanent use submerged in oil. This cable is intened for indoor use and should be installed mechanically protected.



#### Construction:

- 1 Copper conductor, fine wire
- 2 Insulation (PVC), cores stranded in layers
- 3 Taping (plastic tape)
- 4 Braided wire screen (tinned copper wires)
- 5 Sheath (PVC grey RAL 7001 or blue RAL 5012 if intrinsically safe), widely oil resistant



**Rated voltage:** 300/500 V



**Test voltage:** up to 1 mm<sup>2</sup>: 1500 Veff  
over 1 mm<sup>2</sup>: 2000 Veff



#### Temperature range:

During installation: min. +5 °C  
Operating temperature: fixed -20 °C to +50 °C  
moved +5 °C to +50 °C  
Conductor temperature: max. +60 °C  
Short circuit temperature of the conductor: max. +150 °C/5 s



**Bending radius (min.):** 4 x Ø of the cable



#### Core identification:

black with white numbers, PE-conductor gnye (outer layer)



#### Flammability:

Self extinguishing (EN 50265-2-1, IEC 60332-1)

| Number of cores x nominal cross section (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Outer diameter (mm) appr. | Cu-value (kg/km) | Total weight (kg/km) appr. | Standard lengths/packing (m) | Price (EUR/km)  |
|--|----------------------------------|---------------------------|------------------|----------------------------|------------------------------|-----------------|
| <b>YSLCY-OZ</b>  |                                  |                           |                  |                            |                              |                 |
| 2 x 0.5  | 39.00                            | 5.6                       | 36               | 45                         | 100 R, 500 Sp                | <b>1,463.99</b> |
| 3 x 0.5  | 39.00                            | 5.7                       | 49               | 56                         | 100 R, 500 Sp                | 1,590.01        |
| 4 x 0.5  | 39.00                            | 6.3                       | 60               | 68                         | 100 R, 500 Sp                | 1,805.63        |
| 5 x 0.5  | 39.00                            | 7.1                       | 72               | 80                         | 100 R, 500 Sp                | 2,031.50        |
| 7 x 0.5  | 39.00                            | 7.9                       | 89               | 100                        | 100 R, 500 Sp                | 2,604.19        |
| 12 x 0.5   | 39.00                            | 10.4                      | 148              | 160                        | 100 R, 500 Sp                | 4,075.42        |
| 18 x 0.5   | 39.00                            | 11.9                      | 214              | 228                        | 100 R, 500 Sp                | 4,937.47        |
| 25 x 0.5   | 39.00                            | 14.5                      | 279              | 318                        | 100 R, 500 Sp                | 6,520.90        |
| 2 x 0.75   | 26.00                            | 5.8                       | 43               | 63                         | 100 R, 500 Sp                | <b>1,550.25</b> |
| 3 x 0.75   | 26.00                            | 5.9                       | 57               | 65                         | 100 R, 500 Sp                | 1,800.61        |
| 4 x 0.75   | 26.00                            | 6.8                       | 70               | 79                         | 100 R, 500 Sp                | 2,031.97        |
| 5 x 0.75   | 26.00                            | 7.6                       | 82               | 95                         | 100 R, 500 Sp                | 2,280.71        |
| 7 x 0.75   | 26.00                            | 8.2                       | 113              | 120                        | 100 R, 500 Sp                | 2,898.81        |
| 12 x 0.75  | 26.00                            | 10.9                      | 192              | 190                        | 100 R, 500 Sp                | 4,841.57        |
| 18 x 0.75  | 26.00                            | 12.7                      | 268              | 268                        | 100 R, 500 Sp                | 6,505.87        |
| 21 x 0.75  | 26.00                            | 13.7                      | 297              | 319                        | 100 R, 500 Sp                | 7,361.92        |
| 25 x 0.75  | 26.00                            | 15.2                      | 331              | 377                        | 100 R, 500 Sp                | 8,461.13        |
| 2 x 1  | 19.50                            | 6.4                       | 52               | 63                         | 100 R, 500 Sp                | <b>1,608.95</b> |
| 3 x 1  | 19.50                            | 6.5                       | 78               | 76                         | 100 R, 500 Sp                | 1,934.69        |

## YSLCY / YSLCY intrinsically safe (SKW-Controlflex-C)

| Number of cores<br>x nominal<br>cross section<br>(mm <sup>2</sup> ) | Max. conductor<br>resistance<br>(Ω/km) | Outer<br>diameter<br>(mm) appr. | Cu-<br>value<br>(kg/km) | Total<br>weight<br>(kg/km) appr. | Standard lengths/<br>packing<br>(m) | Price<br>(EUR/km) |
|---|--|---------------------------------|-------------------------|----------------------------------|-------------------------------------|-------------------|
| <b>YSLCY-OZ</b>   |  |                                 |                         |                                  |                                     |                   |
| 4 x 1   | 19.50                                  | 7.0                             | 89                      | 94                               | 100 R, 500 Sp                       | 2,272.27          |
| 5 x 1   | 19.50                                  | 8.2                             | 106                     | 110                              | 100 R, 500 Sp                       | 2,622.56          |
| 7 x 1   | 19.50                                  | 8.9                             | 132                     | 141                              | 100 R, 500 Sp                       | 3,350.23          |
| 12 x 1  | 19.50                                  | 11.8                            | 206                     | 232                              | 100 R, 500 Sp                       | 5,352.47          |
| 18 x 1  | 19.50                                  | 14.2                            | 316                     | 342                              | 100 R, 500 Sp                       | 7,119.39          |
| 25 x 1  | 19.50                                  | 17.0                            | 428                     | 464                              | 100 R, 500 Sp                       | 9,093.77          |
| 34 x 1  | 19.50                                  | 19.1                            | 537                     | 604                              | 100 R, 500 Sp                       | 11,525.83         |
| 50 x 1  | 19.50                                  | 22.6                            | 758                     | 849                              | 100 R, 500 Sp                       | 16,849.99         |
| 2 x 1.5   | 13.30                                  | 7.7                             | 66                      | 97                               | 100 R, 500 Sp                       | <b>1,968.37</b>   |
| 3 x 1.5   | 13.30                                  | 8.1                             | 99                      | 106                              | 100 R, 500 Sp                       | 2,310.78          |
| 4 x 1.5   | 13.30                                  | 8.9                             | 121                     | 131                              | 100 R, 500 Sp                       | 2,731.88          |
| 5 x 1.5   | 13.30                                  | 9.5                             | 135                     | 156                              | 100 R, 500 Sp                       | 3,158.71          |
| 7 x 1.5   | 13.30                                  | 10.7                            | 227                     | 203                              | 100 R, 500 Sp                       | 3,995.01          |
| 12 x 1.5  | 13.30                                  | 13.5                            | 322                     | 341                              | 100 R, 500 Sp                       | 6,077.48          |
| 18 x 1.5  | 13.30                                  | 17.1                            | 428                     | 490                              | 100 R, 500 Sp                       | 8,094.98          |
| 25 x 1.5  | 13.30                                  | 20.6                            | 568                     | 667                              | 100 R, 500 Sp                       | 10,393.75         |
| 34 x 1.5  | 13.30                                  | 23.2                            | 784                     | 874                              | 100 R, 500 Sp                       | 14,617.81         |
| 50 x 1.5  | 13.30                                  | 27.8                            | 1,074                   | 1,269                            | 100 R, 500 Sp                       | 20,390.28         |
| 2 x 2.5   | 7.98                                   | 8.5                             | 102                     | 161                              | 100 R, 500 Sp                       | <b>2,910.02</b>   |
| 3 x 2.5   | 7.98                                   | 9.0                             | 154                     | 148                              | 100 R, 500 Sp                       | 3,315.89          |
| <b>YSLCY-JZ</b>   |  |                                 |                         |                                  |                                     |                   |
| 3 x 0.5   | 39.00                                  | 5.7                             | 49                      | 56                               | 500 Sp, 1000 Sp                     | 1,551.45          |
| 4 x 0.5   | 39.00                                  | 6.3                             | 60                      | 68                               | 100 R, 500 Sp                       | <b>1,757.51</b>   |
| 5 x 0.5   | 39.00                                  | 7.1                             | 72                      | 80                               | 500 Sp, 1000 Sp                     | 1,963.58          |
| 7 x 0.5   | 39.00                                  | 7.9                             | 89                      | 100                              | 500 Sp, 1000 Sp                     | 2,513.47          |
| 10 x 0.5  | 39.00                                  | 10.0                            | 124                     | 143                              | 500 Sp, 1000 Sp                     | 3,682.75          |
| 12 x 0.5  | 39.00                                  | 10.4                            | 148                     | 160                              | 500 Sp, 1000 Sp                     | 3,866.05          |
| 14 x 0.5  | 39.00                                  | 11.0                            | 171                     | 180                              | 500 Sp, 1000 Sp                     | 4,142.80          |
| 16 x 0.5  | 39.00                                  | 11.5                            | 192                     | 202                              | 500 Sp, 1000 Sp                     | 4,508.18          |
| 21 x 0.5  | 39.00                                  | 12.8                            | 241                     | 252                              | 500 T, 1000 T                       | 5,569.64          |
| 25 x 0.5  | 39.00                                  | 14.5                            | 279                     | 318                              | 500 T, 1000 T                       | 6,145.91          |
| 30 x 0.5  | 39.00                                  | 15.3                            | 309                     | 363                              | 500 T, 1000 T                       | 7,164.23          |
| 34 x 0.5  | 39.00                                  | 16.3                            | 355                     | 420                              | 500 T, 1000 T                       | 7,987.28          |
| 40 x 0.5  | 39.00                                  | 17.3                            | 402                     | 465                              | 500 T, 1000 T                       | 9,578.26          |
| 50 x 0.5  | 39.00                                  | 19.6                            | 515                     | 575                              | 500 T, 1000 T                       | 13,019.01         |
| 61 x 0.5  | 39.00                                  | 20.8                            | 620                     | 675                              | 500 T, 1000 T                       | 14,789.71         |
| 3 x 0.75  | 26.00                                  | 5.9                             | 57                      | 65                               | 100 R, 500 Sp                       | <b>1,745.54</b>   |
| 4 x 0.75  | 26.00                                  | 6.8                             | 70                      | 79                               | 100 R, 500 Sp                       | <b>1,959.98</b>   |
| 5 x 0.75  | 26.00                                  | 7.6                             | 82                      | 95                               | 100 R, 500 Sp                       | <b>2,191.19</b>   |
| 7 x 0.75  | 26.00                                  | 8.2                             | 113                     | 120                              | 100 R, 500 Sp                       | <b>2,777.04</b>   |
| 8 x 0.75  | 26.00                                  | 9.0                             | 121                     | 134                              | 500 Sp, 1000 Sp                     | 3,422.78          |
| 10 x 0.75   | 26.00                                  | 10.5                            | 135                     | 168                              | 500 Sp, 1000 Sp                     | 4,124.82          |

## YSLCY / YSLCY intrinsically safe (SKW-Controlflex-C)

| Number of cores<br>x nominal<br>cross section<br>(mm <sup>2</sup> ) | Max. conductor<br>resistance<br>(Ω/km) | Outer<br>diameter<br>(mm) appr. | Cu-<br>value<br>(kg/km) | Total<br>weight<br>(kg/km) appr. | Standard lengths/<br>packing<br>(m) | Price<br>(EUR/km) |
|---|--|---------------------------------|-------------------------|----------------------------------|-------------------------------------|-------------------|
| <b>YSLCY-JZ</b>   |  |                                 |                         |                                  |                                     |                   |
| 12 x 0.75   | 26.00                                  | 10.9                            | 192                     | 190                              | 500 Sp, 1000 Sp                     | <b>4,607.63</b>   |
| 16 x 0.75   | 26.00                                  | 12.1                            | 239                     | 241                              | 500 Sp, 1000 Sp                     | 5,887.12          |
| 18 x 0.75   | 26.00                                  | 12.7                            | 268                     | 268                              | 500 T, 1000 T                       | 6,179.45          |
| 21 x 0.75   | 26.00                                  | 13.7                            | 295                     | 319                              | 500 T, 1000 T                       | 6,965.35          |
| 25 x 0.75   | 26.00                                  | 15.2                            | 331                     | 377                              | 500 T, 1000 T                       | <b>8,012.43</b>   |
| 34 x 0.75   | 26.00                                  | 17.0                            | 426                     | 497                              | 500 T, 1000 T                       | <b>10,069.46</b>  |
| 44 x 0.75   | 26.00                                  | 19.2                            | 516                     | 600                              | 500 T, 1000 T                       | 13,801.32         |
| 50 x 0.75   | 26.00                                  | 20.6                            | 570                     | 695                              | 500 T, 1000 T                       | 15,906.27         |
| 61 x 0.75   | 26.00                                  | 23.0                            | 669                     | 720                              | 500 T, 1000 T                       | 18,099.86         |
| 3 x 1   | 19.50                                  | 6.5                             | 78                      | 76                               | 100 R, 500 Sp                       | <b>1,873.72</b>   |
| 4 x 1   | 19.50                                  | 7.0                             | 89                      | 94                               | 100 R, 500 Sp                       | <b>2,193.60</b>   |
| 5 x 1   | 19.50                                  | 8.2                             | 106                     | 110                              | 100 R, 500 Sp                       | <b>2,513.47</b>   |
| 7 x 1   | 19.50                                  | 8.9                             | 132                     | 141                              | 100 R, 500 Sp                       | <b>3,210.72</b>   |
| 10 x 1  | 19.50                                  | 11.4                            | 174                     | 202                              | 500 T, 1000 T                       | 4,608.83          |
| 12 x 1  | 19.50                                  | 11.8                            | 206                     | 232                              | 500 T, 1000 T                       | <b>5,095.23</b>   |
| 14 x 1  | 19.50                                  | 12.4                            | 238                     | 259                              | 500 T, 1000 T                       | 5,540.90          |
| 16 x 1  | 19.50                                  | 13.0                            | 270                     | 305                              | 500 T, 1000 T                       | 5,764.93          |
| 18 x 1  | 19.50                                  | 14.2                            | 316                     | 342                              | 500 T, 1000 T                       | <b>6,722.16</b>   |
| 21 x 1  | 19.50                                  | 15.0                            | 364                     | 386                              | 500 T, 1000 T                       | 7,076.77          |
| 25 x 1  | 19.50                                  | 17.0                            | 428                     | 464                              | 500 T, 1000 T                       | <b>8,557.54</b>   |
| 30 x 1  | 19.50                                  | 17.6                            | 489                     | 530                              | 500 T, 1000 T                       | 9,686.09          |
| 34 x 1  | 19.50                                  | 19.1                            | 537                     | 604                              | 500 T, 1000 T                       | <b>10,814.64</b>  |
| 50 x 1  | 19.50                                  | 22.6                            | 758                     | 849                              | 500 T, 1000 T                       | 15,805.63         |
| 3 x 1.5   | 13.30                                  | 8.1                             | 99                      | 106                              | 100 R, 500 Sp                       | <b>2,234.33</b>   |
| 4 x 1.5   | 13.30                                  | 8.9                             | 121                     | 131                              | 100 R, 500 Sp                       | <b>2,633.28</b>   |
| 5 x 1.5   | 13.30                                  | 9.5                             | 135                     | 156                              | 100 R, 500 Sp                       | <b>3,032.22</b>   |
| 7 x 1.5   | 13.30                                  | 10.7                            | 227                     | 203                              | 100 R, 500 Sp                       | <b>3,830.11</b>   |
| 8 x 1.5   | 13.30                                  | 11.7                            | 246                     | 227                              | 500 T, 1000 T                       | 4,770.56          |
| 10 x 1.5  | 13.30                                  | 14.0                            | 284                     | 310                              | 500 T, 1000 T                       | 5,123.99          |
| 12 x 1.5  | 13.30                                  | 13.5                            | 322                     | 341                              | 500 T, 1000 T                       | <b>5,737.37</b>   |
| 14 x 1.5  | 13.30                                  | 15.3                            | 357                     | 389                              | 500 T, 1000 T                       | 6,428.64          |
| 16 x 1.5  | 13.30                                  | 16.1                            | 390                     | 438                              | 500 T, 1000 T                       | 7,163.03          |
| 18 x 1.5  | 13.30                                  | 17.1                            | 428                     | 490                              | 500 T, 1000 T                       | <b>7,623.07</b>   |
| 21 x 1.5  | 13.30                                  | 18.1                            | 488                     | 553                              | 500 T, 1000 T                       | 8,350.28          |
| 25 x 1.5  | 13.30                                  | 20.6                            | 568                     | 667                              | 500 T, 1000 T                       | <b>9,762.76</b>   |
| 32 x 1.5  | 13.30                                  | 22.3                            | 736                     | 817                              | 500 T, 1000 T                       | 12,886.02         |
| 34 x 1.5  | 13.30                                  | 23.2                            | 784                     | 874                              | 500 T, 1000 T                       | <b>13,758.20</b>  |
| 44 x 1.5  | 13.30                                  | 26.5                            | 965                     | 1,139                            | 500 T, 1000 T                       | 17,116.28         |
| 50 x 1.5  | 13.30                                  | 27.8                            | 1,074                   | 1,269                            | 500 T, 1000 T                       | 19,140.96         |
| 61 x 1.5  | 13.30                                  | 29.4                            | 1,272                   | 1,490                            | 500 T, 1000 T                       | 24,185.86         |
| 3 x 2.5   | 7.98                                   | 9.0                             | 154                     | 148                              | 500 T, 1000 T                       | <b>3,193.95</b>   |
| 4 x 2.5   | 7.98                                   | 10.7                            | 170                     | 190                              | 500 T, 1000 T                       | <b>3,577.33</b>   |

## YSLCY / YSLCY intrinsically safe (SKW-Controlflex-C)

| Number of cores<br>x nominal<br>cross section<br>(mm <sup>2</sup> ) | Max. conductor<br>resistance<br>(Ω/km) | Outer<br>diameter<br>(mm) appr. | Cu-<br>value<br>(kg/km) | Total<br>weight<br>(kg/km) appr. | Standard lengths/<br>packing<br>(m) | Price<br>(EUR/km) |
|---|--|---------------------------------|-------------------------|----------------------------------|-------------------------------------|-------------------|
| <b>YSLCY-JZ</b>   |  |                                 |                         |                                  |                                     |                   |
| 5 x 2.5   | 7.98                                   | 11.0                            | 208                     | 222                              | 500 T, 1000 T                       | <b>3,960.69</b>   |
| 7 x 2.5   | 7.98                                   | 12.8                            | 300                     | 298                              | 500 T, 1000 T                       | <b>5,218.62</b>   |
| 10 x 2.5  | 7.98                                   | 16.8                            | 442                     | 454                              | 500 T, 1000 T                       | 7,788.40          |
| 12 x 2.5  | 7.98                                   | 17.4                            | 537                     | 519                              | 500 T, 1000 T                       | 8,146.62          |
| 18 x 2.5  | 7.98                                   | 20.6                            | 820                     | 747                              | 500 T, 1000 T                       | 12,443.96         |
| 50 x 2.5  | 7.98                                   | 32.9                            | 2,323                   | 1,898                            | 500 T, 1000 T                       | 35,466.54         |
| 3 x 4   | 4.95                                   | 10.9                            | 208                     | 207                              | 500 T, 1000 T                       | 5,333.64          |
| 4 x 4   | 4.95                                   | 12.0                            | 248                     | 251                              | 500 T, 1000 T                       | <b>6,565.21</b>   |
| 5 x 4   | 4.95                                   | 13.5                            | 288                     | 340                              | 500 T, 1000 T                       | <b>7,048.01</b>   |
| 7 x 4   | 4.95                                   | 14.8                            | 378                     | 442                              | 500 T, 1000 T                       | 11,868.90         |
| 4 x 6   | 3.30                                   | 14.3                            | 343                     | 384                              | 500 T, 1000 T                       | <b>7,769.24</b>   |
| 5 x 6   | 3.30                                   | 15.7                            | 403                     | 472                              | 500 T, 1000 T                       | <b>9,111.03</b>   |
| 7 x 6   | 3.30                                   | 17.3                            | 534                     | 604                              | 500 T, 1000 T                       | 11,000.33         |
| 4 x 10  | 1.91                                   | 20.0                            | 535                     | 683                              | 500 T, 1000 T                       | <b>13,487.45</b>  |
| 5 x 10  | 1.91                                   | 22.1                            | 635                     | 824                              | 500 T, 1000 T                       | <b>15,022.12</b>  |
| 7 x 10  | 1.91                                   | 24.4                            | 882                     | 1,079                            | 500 T, 1000 T                       | 17,452.92         |
| 4 x 16  | 1.21                                   | 22.0                            | 800                     | 930                              | 500 T, 1000 T                       | <b>19,059.48</b>  |
| 5 x 16  | 1.21                                   | 26.2                            | 960                     | 1,203                            | 500 T, 1000 T                       | <b>23,002.21</b>  |
| 7 x 16  | 1.21                                   | 28.8                            | 1,370                   | 1,587                            | 500 T, 1000 T                       | 31,480.68         |

**Note:** Intrinsically safe version of the sheath (blue): Listed price +25 %  
Subject to technical changes. All figures are therefore without guarantee.