

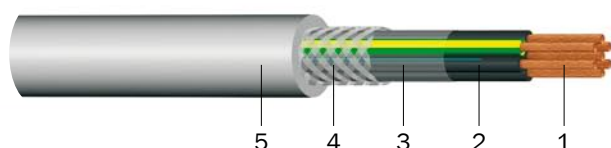
YSLCY / YSLCY intrinsically safe (SKW–Controlflex–C)

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 intended 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 mm²: 1500 Veff
over 1 mm²: 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 ²) | 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) |
|--|----------------------------------|---------------------------|------------------|----------------------------|------------------------------|-----------------|
| YSLCY–OZ | | | | | | |
| 2 x 0.5 | 39.00 | 5.6 | 36 | 45 | 100 R, 500 Sp | 1,463.99 |
| 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 | 1,550.25 |
| 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 | 1,608.95 |
| 3 x 1 | 19.50 | 6.5 | 78 | 76 | 100 R, 500 Sp | 1,934.69 |