



## ÖLFLEX® CONTROL SWA LEAD 185

Armoured, Lead jacketed, Overall screened control cable  
CU/XLPE/OS/PVC/LC/PVC/SWA/PVC



## Info

**RE4OHRLRFR 500 V  
EN 50288-7**

### Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant

### Product features

Armoured, lead jacketed, multi-core cable, overall screened, XLPE insulated and PVC jacketed

### Norm references / Approvals

- **Hydrocarbon & Oil resistance**  
CEI 20-34/0
- **Halogen acid gas**  
IEC 60754-1 and 2
- **Fire behaviour**  
IEC 60332-1-2  
IEC 60332-3-22 (Cat. A)

### Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Inner sheath:** PVC, black
- **Chemical Barrier:** Lead sheath
- **Inner sheath:** PVC, black
- **Armour:** Galvanized Steel Wire
- **Outer sheath:** PVC, black

### Technical data

- Core identification code:**  
Black with printed numbers
- Insulation resistance:**  
5000 MOhm x km
- Conductor stranding:**  
Class 2 IEC 60228
- Nominal Voltage U<sub>0</sub>/U:**  
500 V
- Test voltage:**  
C/C 2000 V x 1 minute
- Temperature range:**  
during operation: -30° to +70°C  
during installation: -5° to +50°C
- Minimum Bending Radius:**  
15 x Outer Diameter

| Number of cores and mm <sup>2</sup> per conductor | Approx Outer Diameter (mm) | Copper index (kg/km) | Approx Weight (kg/km) |
|---|----------------------------|----------------------|-----------------------|
| <b>ÖLFLEX® CONTROL SWA LEAD 185</b>               |                            |                      |                       |
| 2 x 1   | 15,8                       | 25,6                 | 629                   |
| 3 x 1   | 16,4                       | 36,1                 | 674                   |
| 4 x 1   | 17,1                       | 46,5                 | 730                   |
| 5 x 1   | 18,2                       | 57,0                 | 845                   |
| 7 x 1   | 19,0                       | 77,8                 | 920                   |
| 10 x 1  | 22,1                       | 109,2                | 1.215                 |
| 12 x 1  | 22,5                       | 130,1                | 1.265                 |
| 14 x 1  | 23,1                       | 151,0                | 1.336                 |
| 16 x 1  | 24,3                       | 171,8                | 1.446                 |
| 19 x 1  | 25,0                       | 203,2                | 1.536                 |
| 20 x 1  | 26,8                       | 213,6                | 1.826                 |
| 24 x 1  | 28,9                       | 255,4                | 2.047                 |
| 25 x 1  | 28,9                       | 265,8                | 2.056                 |
| 27 x 1  | 29,3                       | 286,7                | 2.112                 |
| 30 x 1  | 29,9                       | 318,1                | 2.204                 |
| 37 x 1  | 31,8                       | 391,2                | 2.527                 |
| 2 x 1,5   | 16,9                       | 36,5                 | 701                   |
| 3 x 1,5   | 17,3                       | 52,3                 | 749                   |
| 4 x 1,5   | 18,5                       | 68,2                 | 879                   |
| 5 x 1,5   | 19,3                       | 84,1                 | 951                   |
| 7 x 1,5   | 20,4                       | 115,8                | 1.055                 |
| 10 x 1,5  | 23,8                       | 163,4                | 1.395                 |
| 12 x 1,5  | 24,7                       | 195,1                | 1.492                 |
| 14 x 1,5  | 25,4                       | 226,9                | 1.583                 |

| Number of cores and mm <sup>2</sup> per conductor | Approx Outer Diameter (mm) | Copper index (kg/km) | Approx Weight (kg/km) |
|---|----------------------------|----------------------|-----------------------|
| <b>ÖLFLEX® CONTROL SWA LEAD 185</b>               |                            |                      |                       |
| 16 x 1,5  | 27,2                       | 258,6                | 1.897                 |
| 19 x 1,5  | 28,5                       | 306,2                | 2.058                 |
| 20 x 1,5  | 29,5                       | 322,1                | 2.166                 |
| 24 x 1,5  | 31,8                       | 385,5                | 2.511                 |
| 25 x 1,5  | 31,8                       | 401,4                | 2.524                 |
| 27 x 1,5  | 32,5                       | 433,1                | 2.614                 |
| 30 x 1,5  | 33,3                       | 480,7                | 2.736                 |
| 37 x 1,5  | 35,8                       | 591,8                | 3.181                 |
| 2 x 2,5   | 18,6                       | 55,4                 | 866                   |
| 3 x 2,5   | 19,2                       | 80,8                 | 933                   |
| 4 x 2,5   | 20,3                       | 106,2                | 1.037                 |
| 5 x 2,5   | 21,5                       | 131,5                | 1.149                 |
| 7 x 2,5   | 22,8                       | 182,2                | 1.338                 |
| 10 x 2,5  | 27,7                       | 258,3                | 1.940                 |
| 12 x 2,5  | 28,7                       | 309,0                | 2.075                 |
| 14 x 2,5  | 29,6                       | 359,7                | 2.207                 |
| 16 x 2,5  | 30,9                       | 410,4                | 2.438                 |
| 19 x 2,5  | 32,4                       | 486,5                | 2.654                 |
| 20 x 2,5  | 33,6                       | 511,9                | 2.801                 |
| 24 x 2,5  | 37,0                       | 613,3                | 3.307                 |
| 25 x 2,5  | 37,0                       | 638,6                | 3.328                 |
| 27 x 2,5  | 37,5                       | 689,3                | 3.435                 |
| 30 x 2,5  | 39,6                       | 765,4                | 3.961                 |
| 37 x 2,5  | 42,2                       | 942,9                | 4.430                 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Photographs are not to scale and do not represent detailed images of the respective products

**AVAILABLE ALSO IN:** Conductor Class 5, Tinned conductor, Armour DSTA, other colors