



ÖLFLEX® POWER 106

Low voltage power cable
CU/XLPE/PVC



Info

**RE4OR 0,6/1 kV
IEC 60502-1**

Benefits

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

Product features

Multi-core, XLPE insulated and PVC jacketed

Norm references / Approvals

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

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Outer sheath:** PVC, black

Technical data



Core identification code:
WITH PROTECTIVE CONDUCTOR:
according to HD 308 - 1 core green/
yellow; 3 cores green/yellow, blue,
brown; 4 cores green/yellow, brown,
black, grey; 5 cores green/yellow,
blue, brown, black, grey.

WITHOUT PROTECTIVE CONDUCTOR:
according to HD 308 - 1 core black;
2-cores blue, brown - 3 cores brown,
black, grey; 4 cores blue, brown,
black, grey; 5 cores blue, brown,
black, grey, black.



Conductor stranding:
Class 2 IEC 60228



Nominal Voltage U0/U:
0,6/1 kV



Test voltage:
C/C 3500 V x 5 minutes



Temperature range:
during operation: -30° to +70°C
during installation: -5° to +50°C



Minimum Bending Radius:
8 x Outer Diameter

| Number cores and mm ² per conductor | Approx. Outer Diameter (mm) | Copper index (kg/km) | Approx. Weight (kg/km) |
|--|-----------------------------|----------------------|------------------------|
| ÖLFLEX® POWER 106 | | | |
| 3 x 1,5 | 10,6 | 47,6 | 156 |
| 3 x 2,5 | 11,5 | 76,1 | 198 |
| 3 x 4 | 12,7 | 122,4 | 263 |
| 3 x 6 | 14,1 | 178,2 | 340 |
| 3 x 10 | 16,1 | 297,0 | 489 |
| 3 x 16 | 18,5 | 485,1 | 713 |
| 3 x 25 | 22,4 | 775,5 | 1.084 |
| 3 x 35 | 25,0 | 1.049,4 | 1.404 |
| 3 x 50 | 28,5 | 1.457,3 | 1.887 |
| 3 x 70 | 33,7 | 2.095,5 | 2.670 |
| 3 x 95 | 38,0 | 2.887,5 | 3.565 |
| 3 x 120 | 42,5 | 3.465,0 | 4.316 |
| 3 x 150 | 47,0 | 4.438,5 | 5.452 |
| 3 x 185 | 52,6 | 5.689,2 | 6.940 |
| 3 x 240 | 59,4 | 7.474,5 | 9.004 |
| 4 x 1,5 | 11,4 | 63,4 | 186 |
| 4 x 2,5 | 12,4 | 101,4 | 239 |
| 4 x 4 | 13,8 | 163,2 | 322 |
| 4 x 6 | 15,3 | 237,6 | 420 |
| 4 x 10 | 17,6 | 396,0 | 613 |
| 4 x 16 | 20,3 | 646,8 | 902 |
| 4 x 25 | 24,7 | 1.034,0 | 1.382 |
| 4 x 35 | 27,6 | 1.399,2 | 1.797 |

| Number cores and mm ² per conductor | Approx. Outer Diameter (mm) | Copper index (kg/km) | Approx. Weight (kg/km) |
|--|-----------------------------|----------------------|------------------------|
| ÖLFLEX® POWER 106 | | | |
| 4 x 50 | 31,7 | 1.943,1 | 2.442 |
| 4 x 70 | 37,4 | 2.794,0 | 3.456 |
| 4 x 95 | 42,4 | 3.850,0 | 4.645 |
| 4 x 120 | 47,2 | 4.620,0 | 5.591 |
| 4 x 150 | 52,5 | 5.918,0 | 7.099 |
| 4 x 185 | 58,7 | 7.585,6 | 9.036 |
| 4 x 240 | 66,3 | 9.966,0 | 11.727 |
| 5 x 1,5 | 12,3 | 79,3 | 220 |
| 5 x 2,5 | 13,4 | 126,8 | 286 |
| 5 x 4 | 15,0 | 204,1 | 388 |
| 5 x 6 | 16,7 | 297,0 | 510 |
| 5 x 10 | 19,2 | 495,0 | 750 |
| 5 x 16 | 22,2 | 808,5 | 1.111 |
| 5 x 25 | 27,1 | 1.292,5 | 1.709 |
| 5 x 35 | 30,5 | 1.749,0 | 2.245 |
| 5 x 50 | 35,1 | 2.428,9 | 3.052 |
| 5 x 70 | 41,5 | 3.492,5 | 4.320 |
| 5 x 95 | 47,0 | 4.812,5 | 5.806 |
| 5 x 120 | 52,5 | 5.775,0 | 7.018 |
| 5 x 150 | 58,1 | 7.397,5 | 8.876 |
| 5 x 185 | 65,3 | 9.482,0 | 11.334 |
| 5 x 240 | 73,6 | 12.457,5 | 14.706 |

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 SWB, DSTA