



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, Arctic version with operation between -60°C and +70°C



ÖLFLEX® POWER SWA 108

Armoured Low voltage power cable
CU/XLPE/PVC/SWA/PVC



Info

RE4OFR 0,6/1 kV
IEC 60502-1

Benefits

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

Product features

Armoured 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
- **Bedding:** PVC
- **Armour:** Galvanized Steel Wire
- **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:
10 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER SWA 108			
3 x 1,5	14,4	47,6	342
3 x 2,5	15,3	76,1	395
3 x 4	17,5	122,4	583
3 x 6	18,8	178,2	685
3 x 10	20,9	297,0	870
3 x 16	24,0	485,1	1.254
3 x 25	27,9	775,5	1.700
3 x 35	30,7	1.049,4	2.079
3 x 50	35,2	1.457,3	2.847
3 x 70	40,8	2.095,5	3.777
3 x 95	45,1	2.887,5	4.744
3 x 120	51,1	3.465,0	6.010
3 x 150	55,8	4.438,5	7.266
3 x 185	61,2	5.689,2	8.820
3 x 240	68,6	7.474,5	11.084
4 x 1,5	15,2	63,4	384
4 x 2,5	17,2	101,4	557
4 x 4	18,5	163,2	666
4 x 6	20,1	237,6	793
4 x 10	23,1	396,0	1.143
4 x 16	25,8	646,8	1.490
4 x 25	30,3	1.034,0	2.069
4 x 35	33,4	1.399,2	2.552

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER SWA 108			
4 x 50	38,8	1.943,1	3.542
4 x 70	44,6	2.794,0	4.672
4 x 95	51,0	3.850,0	6.396
4 x 120	56,0	4.620,0	7.482
4 x 150	61,1	5.918,0	9.067
4 x 185	67,8	7.585,6	11.188
4 x 240	76,9	9.966,0	14.801
5 x 1,5	17,0	79,3	535
5 x 2,5	18,2	126,8	624
5 x 4	19,7	204,1	754
5 x 6	21,4	297,0	907
5 x 10	24,7	495,0	1.316
5 x 16	27,7	808,5	1.738
5 x 25	33,0	1.292,5	2.458
5 x 35	37,7	1.749,0	3.322
5 x 50	42,5	2.428,9	4.247
5 x 70	50,3	3.492,5	6.078
5 x 95	55,8	4.812,5	7.697
5 x 120	61,1	5.775,0	8.994
5 x 150	67,4	7.397,5	11.060
5 x 185	74,5	9.482,0	13.628
5 x 240	84,9	12.457,5	18.084

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, Arctic version with operation between -60°C and +70°C