



ÖLFLEX® POWER SWA 205 H

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



Info

**RE4OFM1 0,6/1 kV
IEC 60502-1**

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant
- Halogen free
- Low Smoke

Product features

Armoured multi-core cable, XLPE insulated and LSZH jacketed


Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Smoke**
IEC 61034-1 and 2
- **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
- **Bedding:** LSZH
- **Armour:** Galvanized Steel Wire
- **Outer sheath:** LSZH, 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 205 H			
3 x 1,5	14,4	47,6	349
3 x 2,5	15,3	76,1	403
3 x 4	17,5	122,4	592
3 x 6	18,8	178,2	695
3 x 10	20,9	297,0	881
3 x 16	24,0	485,1	1.266
3 x 25	27,9	775,5	1.714
3 x 35	30,7	1.049,4	2.096
3 x 50	35,2	1.457,3	2.867
3 x 70	40,8	2.095,5	3.803
3 x 95	45,1	2.887,5	4.774
3 x 120	51,1	3.465,0	6.047
3 x 150	55,8	4.438,5	7.310
3 x 185	61,2	5.689,2	8.871
3 x 240	68,6	7.474,5	11.147
4 x 1,5	15,2	63,4	392
4 x 2,5	17,2	101,4	566
4 x 4	18,5	163,2	676
4 x 6	20,1	237,6	803
4 x 10	23,1	396,0	1.155
4 x 16	25,8	646,8	1.503
4 x 25	30,3	1.034,0	2.086
4 x 35	33,4	1.399,2	2.572

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER SWA 205 H			
4 x 50	38,8	1.943,1	3.566
4 x 70	44,6	2.794,0	4.702
4 x 95	51,0	3.850,0	6.434
4 x 120	56,0	4.620,0	7.526
4 x 150	61,1	5.918,0	9.118
4 x 185	67,8	7.585,6	11.248
4 x 240	76,9	9.966,0	14.876
5 x 1,5	17,0	79,3	543
5 x 2,5	18,2	126,8	633
5 x 4	19,7	204,1	764
5 x 6	21,4	297,0	917
5 x 10	24,7	495,0	1.329
5 x 16	27,7	808,5	1.752
5 x 25	33,0	1.292,5	2.477
5 x 35	37,7	1.749,0	3.345
5 x 50	42,5	2.428,9	4.276
5 x 70	50,3	3.492,5	6.115
5 x 95	55,8	4.812,5	7.742
5 x 120	61,1	5.775,0	9.045
5 x 150	67,4	7.397,5	11.119
5 x 185	74,5	9.482,0	13.701
5 x 240	84,9	12.457,5	18.175

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