



ÖLFLEX® POWER SWB 191 H

Armoured, Low voltage power cable LSZH 125 °C
CU/XLPO/LSZH/SWB/LSZH



Info

**RG 100M2AM2 0,6/1 kV
IEC 60092-353**

Benefits

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

Product features

Armoured multi-core cable, XLPO insulated and LSZH jacketed 125 °C

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:** XLPO
- **Bedding:** XLPO LSZH
- **Armour:** Galvanized Steel Wire Braid
- **Outer sheath:** XLPO 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: -40° to +125°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)
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3 x 1,5	13,1	47,6	234
3 x 2,5	14,0	76,1	280
3 x 4	15,5	122,4	371
3 x 6	16,8	178,2	453
3 x 10	18,9	297,0	608
3 x 16	21,3	485,1	834
3 x 25	24,9	775,5	1.194
3 x 35	27,7	1.049,4	1.518
3 x 50	31,4	1.457,3	2.002
3 x 70	37,3	2.095,5	2.851
3 x 95	41,5	2.887,5	3.713
3 x 120	46,5	3.465,0	4.469
3 x 150	51,0	4.438,5	5.564
3 x 185	56,6	5.689,2	6.986
3 x 240	63,8	7.474,5	8.990
4 x 1,5	13,9	63,4	271
4 x 2,5	15,2	101,4	351
4 x 4	16,5	163,2	441
4 x 6	18,1	237,6	545
4 x 10	20,4	396,0	745
4 x 16	23,0	646,8	1.038
4 x 25	27,4	1.034,0	1.521
4 x 35	30,5	1.399,2	1.944

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
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4 x 50	35,0	1.943,1	2.609
4 x 70	41,0	2.794,0	3.667
4 x 95	46,4	3.850,0	4.865
4 x 120	51,2	4.620,0	5.776
4 x 150	56,5	5.918,0	7.245
4 x 185	63,1	7.585,6	9.172
4 x 240	70,7	9.966,0	11.745
5 x 1,5	15,0	79,3	332
5 x 2,5	16,2	126,8	405
5 x 4	17,7	204,1	514
5 x 6	19,4	297,0	642
5 x 10	22,0	495,0	888
5 x 16	24,7	808,5	1.237
5 x 25	30,0	1.292,5	1.864
5 x 35	33,9	1.749,0	2.420
5 x 50	38,7	2.428,9	3.277
5 x 70	45,7	3.492,5	4.582
5 x 95	51,0	4.812,5	6.002
5 x 120	56,5	5.775,0	7.165
5 x 150	62,7	7.397,5	9.053
5 x 185	69,7	9.482,0	11.395
5 x 240	78,7	12.457,5	14.720

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 TCWB, SWB