



ÖLFLEX® POWER SWB F90 193 H

Fire resistant, armoured, Low voltage power cable LSZH 125 °C
CU/MT/XLPO/LSZH/SWB/LSZH



Info

RTG 100M2AM2 0,6/1 kV
IEC 60092-353
IEC 60331-21

Benefits

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

Product features

Armoured multi-core cable, XLPO over MI-CA-tape 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)
IEC 60331-21

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPO over MICA-tape wrapped conductor
- **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)
ÖLFLEX® POWER SWB F90 193 H			
3 x 1,5	14,2	47,6	262
3 x 2,5	15,3	76,1	332
3 x 4	16,6	122,4	404
3 x 6	17,9	178,2	487
3 x 10	20,0	297,0	645
3 x 16	22,3	485,1	874
3 x 25	26,0	775,5	1.237
3 x 35	28,8	1.049,4	1.565
3 x 50	32,7	1.457,3	2.070
3 x 70	38,3	2.095,5	2.913
3 x 95	42,8	2.887,5	3.802
3 x 120	47,6	3.465,0	4.543
3 x 150	52,3	4.438,5	5.671
3 x 185	58,1	5.689,2	7.126
3 x 240	65,1	7.474,5	9.120
4 x 1,5	15,4	63,4	327
4 x 2,5	16,4	101,4	389
4 x 4	17,8	163,2	480
4 x 6	19,3	237,6	587
4 x 10	21,6	396,0	790
4 x 16	24,2	646,8	1.087
4 x 25	28,6	1.034,0	1.577
4 x 35	31,7	1.399,2	2.004

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	36,5	1.943,1	2.695
4 x 70	42,4	2.794,0	3.767
4 x 95	47,6	3.850,0	4.953
4 x 120	52,6	4.620,0	5.898
4 x 150	58,1	5.918,0	7.401
4 x 185	64,4	7.585,6	9.287
4 x 240	72,1	9.966,0	11.909
5 x 1,5	16,4	79,3	375
5 x 2,5	17,5	126,8	449
5 x 4	19,1	204,1	561
5 x 6	20,8	297,0	692
5 x 10	23,3	495,0	942
5 x 16	26,3	808,5	1.309
5 x 25	31,4	1.292,5	1.933
5 x 35	35,2	1.749,0	2.496
5 x 50	40,2	2.428,9	3.384
5 x 70	47,0	3.492,5	4.683
5 x 95	52,6	4.812,5	6.138
5 x 120	58,5	5.775,0	7.367
5 x 150	64,1	7.397,5	9.186
5 x 185	71,2	9.482,0	11.576
5 x 240	80,0	12.457,5	14.882

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