



ÖLFLEX® POWER SWA F90 306 H

Fire resistant, armoured, Low voltage power cable LSZH
CU/MT/XLPE/LSZH/SWA/LSZH



Info

RTE4OFM1 0,6/1 kV
IEC 60502-1
IEC 60331-21

Benefits

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

Product features

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

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE over MICA-tape wrapped conductor
- **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 F90 306 H			
3 x 1,5	17,5	47,6	536
3 x 2,5	18,4	76,1	599
3 x 4	19,6	122,4	691
3 x 6	21,0	178,2	797
3 x 10	23,8	297,0	1.111
3 x 16	26,2	485,1	1.392
3 x 25	30,3	775,5	1.866
3 x 35	33,1	1.049,4	2.256
3 x 50	38,0	1.457,3	3.100
3 x 70	43,2	2.095,5	4.008
3 x 95	48,8	2.887,5	5.394
3 x 120	53,5	3.465,0	6.301
3 x 150	58,0	4.438,5	7.546
3 x 185	64,1	5.689,2	9.228
3 x 240	70,8	7.474,5	11.416
4 x 1,5	18,6	63,4	601
4 x 2,5	19,6	101,4	679
4 x 4	21,0	163,2	793
4 x 6	23,2	237,6	1.044
4 x 10	25,5	396,0	1.297
4 x 16	28,2	646,8	1.654
4 x 25	33,0	1.034,0	2.267
4 x 35	36,9	1.399,2	2.990

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER SWA F90 306 H			
4 x 50	41,5	1.943,1	3.793
4 x 70	48,3	2.794,0	5.322
4 x 95	53,7	3.850,0	6.724
4 x 120	58,7	4.620,0	7.835
4 x 150	64,1	5.918,0	9.517
4 x 185	70,4	7.585,6	11.599
4 x 240	79,5	9.966,0	15.283
5 x 1,5	19,7	79,3	671
5 x 2,5	20,9	126,8	764
5 x 4	23,2	204,1	1.020
5 x 6	24,9	297,0	1.189
5 x 10	27,4	495,0	1.496
5 x 16	30,6	808,5	1.946
5 x 25	36,7	1.292,5	2.916
5 x 35	40,6	1.749,0	3.596
5 x 50	45,2	2.428,9	4.523
5 x 70	53,2	3.492,5	6.439
5 x 95	58,7	4.812,5	8.089
5 x 120	64,5	5.775,0	9.487
5 x 150	70,3	7.397,5	11.515
5 x 185	78,8	9.482,0	14.925
5 x 240	87,8	12.457,5	18.669

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