

ÖLFLEX® POWER F90 304 H

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



Info

RTE4OM1 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

Multi-core cable, XLPE over MICA-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
- **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:**
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 F90 304 H			
3 x 1,5	12,8	47,6	214
3 x 2,5	13,7	76,1	261
3 x 4	14,9	122,4	332
3 x 6	16,3	178,2	416
3 x 10	18,3	297,0	576
3 x 16	20,7	485,1	812
3 x 25	24,6	775,5	1.204
3 x 35	27,2	1.049,4	1.538
3 x 50	30,9	1.457,3	2.058
3 x 70	36,1	2.095,5	2.876
3 x 95	40,4	2.887,5	3.801
3 x 120	44,7	3.465,0	4.561
3 x 150	49,4	4.438,5	5.755
3 x 185	54,8	5.689,2	7.257
3 x 240	61,8	7.474,5	9.407
4 x 1,5	13,8	63,4	255
4 x 2,5	14,9	101,4	314
4 x 4	16,3	163,2	404
4 x 6	17,8	237,6	511
4 x 10	20,1	396,0	717
4 x 16	22,7	646,8	1.022
4 x 25	27,1	1.034,0	1.527
4 x 35	30,2	1.399,2	1.977

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	34,3	1.943,1	2.650
4 x 70	40,1	2.794,0	3.707
4 x 95	44,9	3.850,0	4.909
4 x 120	49,9	4.620,0	5.917
4 x 150	54,9	5.918,0	7.437
4 x 185	61,2	7.585,6	9.424
4 x 240	68,9	9.966,0	12.215
5 x 1,5	15,0	79,3	304
5 x 2,5	16,2	126,8	377
5 x 4	17,7	204,1	489
5 x 6	19,4	297,0	621
5 x 10	22,0	495,0	878
5 x 16	24,9	808,5	1.258
5 x 25	30,0	1.292,5	1.905
5 x 35	33,5	1.749,0	2.468
5 x 50	38,0	2.428,9	3.309
5 x 70	44,4	3.492,5	4.630
5 x 95	49,9	4.812,5	6.164
5 x 120	55,5	5.775,0	7.425
5 x 150	61,0	7.397,5	9.332
5 x 185	68,2	9.482,0	11.859
5 x 240	76,6	12.457,5	15.313

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