



ÖLFLEX® POWER F90 192 H

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



Info

RTG 100M2 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

Multi-core cable, XLPO over MICA-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
- **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:
8 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	11,7	47,6	186
3 x 2,5	12,6	76,1	231
3 x 4	13,8	122,4	299
3 x 6	15,2	178,2	380
3 x 10	17,2	297,0	536
3 x 16	19,6	485,1	767
3 x 25	23,5	775,5	1.155
3 x 35	26,1	1.049,4	1.484
3 x 50	29,8	1.457,3	1.997
3 x 70	34,8	2.095,5	2.787
3 x 95	39,3	2.887,5	3.715
3 x 120	43,6	3.465,0	4.466
3 x 150	48,1	4.438,5	5.632
3 x 185	53,7	5.689,2	7.156
3 x 240	60,5	7.474,5	9.255
4 x 1,5	12,6	63,4	224
4 x 2,5	13,7	101,4	281
4 x 4	15,0	163,2	368
4 x 6	16,6	237,6	472
4 x 10	18,8	396,0	673
4 x 16	21,5	646,8	971
4 x 25	25,9	1.034,0	1.474
4 x 35	28,8	1.399,2	1.901

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	33,1	1.943,1	2.583
4 x 70	38,7	2.794,0	3.609
4 x 95	43,7	3.850,0	4.816
4 x 120	48,4	4.620,0	5.789
4 x 150	53,7	5.918,0	7.337
4 x 185	60,0	7.585,6	9.324
4 x 240	67,5	9.966,0	12.062
5 x 1,5	13,6	79,3	267
5 x 2,5	14,8	126,8	338
5 x 4	16,3	204,1	446
5 x 6	18,0	297,0	575
5 x 10	20,6	495,0	825
5 x 16	23,6	808,5	1.198
5 x 25	28,4	1.292,5	1.826
5 x 35	31,9	1.749,0	2.377
5 x 50	36,7	2.428,9	3.228
5 x 70	43,0	3.492,5	4.536
5 x 95	48,4	4.812,5	6.023
5 x 120	53,9	5.775,0	7.270
5 x 150	59,7	7.397,5	9.209
5 x 185	66,6	9.482,0	11.698
5 x 240	75,2	12.457,5	15.168

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