**ÖLFLEX® POWER 190 H**

Low voltage power cable LSZH 125 °C
CU/XLPO/LSZH

**Info**

RG 100M2 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

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
- **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

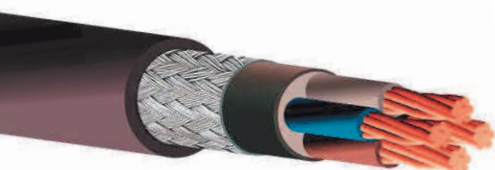
Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER 190 H			
3 x 1,5	10,6	47,6	161
3 x 2,5	11,5	76,1	204
3 x 4	12,7	122,4	270
3 x 6	14,1	178,2	348
3 x 10	16,1	297,0	500
3 x 16	18,5	485,1	726
3 x 25	22,4	775,5	1.107
3 x 35	25,0	1.049,4	1.430
3 x 50	28,5	1.457,3	1.922
3 x 70	33,7	2.095,5	2.715
3 x 95	38,0	2.887,5	3.615
3 x 120	42,5	3.465,0	4.377
3 x 150	47,0	4.438,5	5.534
3 x 185	52,6	5.689,2	7.047
3 x 240	59,4	7.474,5	9.131
4 x 1,5	11,4	63,4	193
4 x 2,5	12,4	101,4	248
4 x 4	13,8	163,2	332
4 x 6	15,3	237,6	432
4 x 10	17,6	396,0	628
4 x 16	20,3	646,8	921
4 x 25	24,7	1.034,0	1.414
4 x 35	27,6	1.399,2	1.834

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER 190 H			
4 x 50	31,7	1.943,1	2.490
4 x 70	37,4	2.794,0	3.520
4 x 95	42,4	3.850,0	4.716
4 x 120	47,2	4.620,0	5.678
4 x 150	52,5	5.918,0	7.213
4 x 185	58,7	7.585,6	9.185
4 x 240	66,3	9.966,0	11.906
5 x 1,5	12,3	79,3	229
5 x 2,5	13,4	126,8	297
5 x 4	15,0	204,1	402
5 x 6	16,7	297,0	526
5 x 10	19,2	495,0	770
5 x 16	22,2	808,5	1.135
5 x 25	27,1	1.292,5	1.751
5 x 35	30,5	1.749,0	2.292
5 x 50	35,1	2.428,9	3.113
5 x 70	41,5	3.492,5	4.401
5 x 95	47,0	4.812,5	5.896
5 x 120	52,5	5.775,0	7.128
5 x 150	58,1	7.397,5	9.021
5 x 185	65,3	9.482,0	11.522
5 x 240	73,6	12.457,5	14.932

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, BWB



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



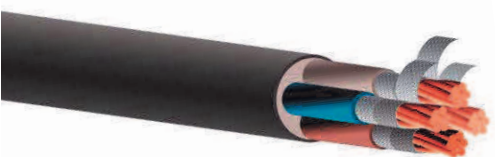
Minimum Bending Radius:
10 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER SWB 191 H			
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)
ÖLFLEX® POWER SWB 191 H			
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.
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AVAILABLE ALSO IN: Conductor Class 5, Tinned conductor, Armour TCWB, BWB



ÖLFLEX® POWER F90 192 H

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



Info

RTG100M2 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 mm² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER F90 192 H			
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 mm² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER F90 192 H			
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, BWB



ÖLFLEX® POWER SWB F90 193 H

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



Info

RTG100M2AM2 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)
ÖLFLEX® POWER SWB F90 193 H			
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

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AVAILABLE ALSO IN: Conductor Class 5, Tinned conductor