



ÖLFLEX® POWER 204 H

Low voltage power cable LSZH
CU/XLPE/LSZH



Info

**RE4OM1 0,6/1 kV
IEC 60502-1**

Benefits

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

Product features

Multi-core cable, XLPE 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)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **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 204 H			
3 x 1,5	10,6	47,6	162
3 x 2,5	11,5	76,1	205
3 x 4	12,7	122,4	271
3 x 6	14,1	178,2	349
3 x 10	16,1	297,0	501
3 x 16	18,5	485,1	728
3 x 25	22,4	775,5	1.104
3 x 35	25,0	1.049,4	1.428
3 x 50	28,5	1.457,3	1.917
3 x 70	33,7	2.095,5	2.711
3 x 95	38,0	2.887,5	3.615
3 x 120	42,5	3.465,0	4.378
3 x 150	47,0	4.438,5	5.527
3 x 185	52,6	5.689,2	7.033
3 x 240	59,4	7.474,5	9.121
4 x 1,5	11,4	63,4	192
4 x 2,5	12,4	101,4	247
4 x 4	13,8	163,2	331
4 x 6	15,3	237,6	430
4 x 10	17,6	396,0	626
4 x 16	20,3	646,8	919
4 x 25	24,7	1.034,0	1.404
4 x 35	27,6	1.399,2	1.824

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER 204 H			
4 x 50	31,7	1.943,1	2.475
4 x 70	37,4	2.794,0	3.502
4 x 95	42,4	3.850,0	4.704
4 x 120	47,2	4.620,0	5.661
4 x 150	52,5	5.918,0	7.185
4 x 185	58,7	7.585,6	9.143
4 x 240	66,3	9.966,0	11.861
5 x 1,5	12,3	79,3	227
5 x 2,5	13,4	126,8	295
5 x 4	15,0	204,1	398
5 x 6	16,7	297,0	522
5 x 10	19,2	495,0	765
5 x 16	22,2	808,5	1.130
5 x 25	27,1	1.292,5	1.735
5 x 35	30,5	1.749,0	2.277
5 x 50	35,1	2.428,9	3.092
5 x 70	41,5	3.492,5	4.375
5 x 95	47,0	4.812,5	5.876
5 x 120	52,5	5.775,0	7.105
5 x 150	58,1	7.397,5	8.979
5 x 185	65,3	9.482,0	11.464
5 x 240	73,6	12.457,5	14.869

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, Arctic version with operation between -60°C and +70°C



ÖLFLEX® POWER SWA 205 H

Armoured Low voltage power cable LSZH
CU/XLPE/LSZH/SWA/LSZH



Info

**RE4OFM1 0,6/1 kV
IEC 60502-1**

Benefits

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

Product features

Armoured multi-core cable, XLPE 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)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **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



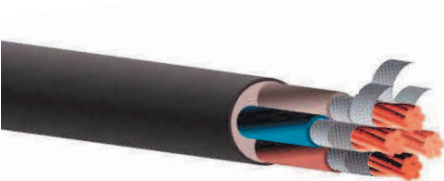
Minimum Bending Radius:
10 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER SWA 205 H			
3 x 1,5	14,4	47,6	349
3 x 2,5	15,3	76,1	403
3 x 4	17,5	122,4	592
3 x 6	18,8	178,2	695
3 x 10	20,9	297,0	881
3 x 16	24,0	485,1	1.266
3 x 25	27,9	775,5	1.714
3 x 35	30,7	1.049,4	2.096
3 x 50	35,2	1.457,3	2.867
3 x 70	40,8	2.095,5	3.803
3 x 95	45,1	2.887,5	4.774
3 x 120	51,1	3.465,0	6.047
3 x 150	55,8	4.438,5	7.310
3 x 185	61,2	5.689,2	8.871
3 x 240	68,6	7.474,5	11.147
4 x 1,5	15,2	63,4	392
4 x 2,5	17,2	101,4	566
4 x 4	18,5	163,2	676
4 x 6	20,1	237,6	803
4 x 10	23,1	396,0	1.155
4 x 16	25,8	646,8	1.503
4 x 25	30,3	1.034,0	2.086
4 x 35	33,4	1.399,2	2.572

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® POWER SWA 205 H			
4 x 50	38,8	1.943,1	3.566
4 x 70	44,6	2.794,0	4.702
4 x 95	51,0	3.850,0	6.434
4 x 120	56,0	4.620,0	7.526
4 x 150	61,1	5.918,0	9.118
4 x 185	67,8	7.585,6	11.248
4 x 240	76,9	9.966,0	14.876
5 x 1,5	17,0	79,3	543
5 x 2,5	18,2	126,8	633
5 x 4	19,7	204,1	764
5 x 6	21,4	297,0	917
5 x 10	24,7	495,0	1.329
5 x 16	27,7	808,5	1.752
5 x 25	33,0	1.292,5	2.477
5 x 35	37,7	1.749,0	3.345
5 x 50	42,5	2.428,9	4.276
5 x 70	50,3	3.492,5	6.115
5 x 95	55,8	4.812,5	7.742
5 x 120	61,1	5.775,0	9.045
5 x 150	67,4	7.397,5	11.119
5 x 185	74,5	9.482,0	13.701
5 x 240	84,9	12.457,5	18.175

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, Arctic version with operation between -60°C and +70°C



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)
ÖLFLEX® POWER F90 304 H			
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, Arctic version with operation between -60°C and +70°C



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, Arctic version with operation between -60°C and +70°C