



ÖLFLEX® CONTROL F90 339 H

Fire resistant, overall screened control cable LSZH
CU/MT/XLPE/OS/LSZH



Info

RT4OHM1 500 V
EN 50288-7
IEC 60331-23

Benefits

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

Product features

Multi-core cable, overall screened, 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 60331-23 (90 min. /750°C)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE over MICA-tape wrapped conductor
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Outer sheath:** LSZH, black

Technical data

- **Core identification code:**
Black with printed numbers
- **Insulation resistance:**
5000 MOhm x km
- **Conductor stranding:**
Class 2 IEC 60228
- **Nominal Voltage U₀/U:**
500 V
- **Test voltage:**
C/C 2000 V x 1 minute
- **Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- **Minimum Bending Radius:**
8 x Outer Diameter

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL F90 339 H			
2 x 1	8,0	25,6	67
3 x 1	8,7	36,1	89
4 x 1	9,5	46,5	110
5 x 1	10,3	57,0	127
7 x 1	11,2	77,8	161
10 x 1	14,7	109,2	240
12 x 1	15,1	130,1	267
14 x 1	15,9	151,0	302
16 x 1	16,8	171,8	339
19 x 1	17,9	203,2	395
20 x 1	18,9	213,6	427
24 x 1	21,1	255,4	504
25 x 1	21,1	265,8	513
27 x 1	21,6	286,7	546
30 x 1	22,3	318,1	596
37 x 1	24,3	391,2	723
2 x 1,5	9,1	36,5	88
3 x 1,5	9,6	52,3	112
4 x 1,5	10,5	68,2	141
5 x 1,5	11,7	84,1	170
7 x 1,5	12,7	115,8	217
10 x 1,5	16,3	163,4	314
12 x 1,5	16,9	195,1	352
14 x 1,5	18,0	226,9	409

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL F90 339 H			
16 x 1,5	19,0	258,6	460
19 x 1,5	20,2	306,2	536
20 x 1,5	21,3	322,1	579
24 x 1,5	23,8	385,5	684
25 x 1,5	23,8	401,4	698
27 x 1,5	24,4	433,1	743
30 x 1,5	25,3	480,7	814
37 x 1,5	27,5	591,8	988
2 x 2,5	10,4	55,4	117
3 x 2,5	11,0	80,8	152
4 x 2,5	12,3	106,2	201
5 x 2,5	13,4	131,5	235
7 x 2,5	14,9	182,2	312
10 x 2,5	19,2	258,3	452
12 x 2,5	20,0	309,0	520
14 x 2,5	21,0	359,7	592
16 x 2,5	22,2	410,4	668
19 x 2,5	23,7	486,5	778
20 x 2,5	25,0	511,9	840
24 x 2,5	28,0	613,3	992
25 x 2,5	28,0	638,6	1.014
27 x 2,5	28,8	689,3	1.096
30 x 2,5	29,8	765,4	1.202
37 x 2,5	32,5	942,9	1.460

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



ÖLFLEX® CONTROL SWA F90 341 H

Fire resistant, armoured overall screened control cable LSZH
CU/MT/OS/LSZH/SWA/LSZH



Info

RT4OHM1FM1 500 V
EN 50288-7
IEC 60331-23

Benefits

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

Product features

Armoured multi-core cable, overall screened, 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 60331-23 (90 min. /750°C)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE over MICA-tape wrapped conductor
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized steel wires
- **Outer sheath:** LSZH, black

Technical data

- Core identification code:**
Black with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage U₀/U:**
500 V
- Test voltage:**
C/C 2000 V x 1 minute
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- Minimum Bending Radius:**
10 x Outer Diameter

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SWA F90 341 H			
2 x 1	12,8	25,6	279
3 x 1	13,5	36,1	315
4 x 1	14,3	46,5	353
5 x 1	15,2	57,0	389
7 x 1	16,1	77,8	441
10 x 1	19,7	109,2	604
12 x 1	20,4	130,1	652
14 x 1	21,9	151,0	816
16 x 1	22,8	171,8	877
19 x 1	23,9	203,2	964
20 x 1	25,1	213,6	1.036
24 x 1	27,3	255,4	1.177
25 x 1	27,3	265,8	1.187
27 x 1	27,8	286,7	1.232
30 x 1	28,8	318,1	1.319
37 x 1	30,7	391,2	1.503
2 x 1,5	13,9	36,5	322
3 x 1,5	14,4	52,3	358
4 x 1,5	15,3	68,2	406
5 x 1,5	16,7	84,1	468
7 x 1,5	17,7	115,8	538
10 x 1,5	22,3	163,4	840
12 x 1,5	22,9	195,1	894
14 x 1,5	23,9	226,9	981

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SWA F90 341 H			
16 x 1,5	25,2	258,6	1.072
19 x 1,5	26,4	306,2	1.183
20 x 1,5	27,5	322,1	1.258
24 x 1,5	30,2	385,5	1.449
25 x 1,5	30,2	401,4	1.463
27 x 1,5	30,8	433,1	1.524
30 x 1,5	31,7	480,7	1.621
37 x 1,5	34,8	591,8	2.061
2 x 2,5	15,2	55,4	379
3 x 2,5	15,8	80,8	428
4 x 2,5	17,3	106,2	512
5 x 2,5	18,5	131,5	572
7 x 2,5	19,9	182,2	679
10 x 2,5	25,4	258,3	1.069
12 x 2,5	26,2	309,0	1.161
14 x 2,5	27,2	359,7	1.263
16 x 2,5	28,6	410,4	1.387
19 x 2,5	30,1	486,5	1.539
20 x 2,5	31,4	511,9	1.640
24 x 2,5	35,3	613,3	2.082
25 x 2,5	35,3	638,6	2.104
27 x 2,5	36,3	689,3	2.233
30 x 2,5	37,4	765,4	2.377
37 x 2,5	40,2	942,9	2.747

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AVAILABLE ALSO IN: Conductor Class 5, Tinned conductor, Armour SWB, DSTA, other colors, Arctic version with operation between -60°C and +70°C