

ÖLFLEX® CONTROL 133

Overall screened control cable
CU/PVC/OS/PVC



Info

**RROHR 500 V
EN 50288-7**

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant

Product features

Multi-core cable, overall screened, PVC insulated and PVC jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Halogen acid gas**
IEC 60754-1 (max 20%)
- **Fire behaviour**
IEC 60332-1-2
IEC 60332-3-22 (Cat. A)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** PVC
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Outer sheath:** PVC, black

Technical data

- Core identification code:**
Black with printed numbers
- Insulation resistance:**
100 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 133			
2 x 1	7,0	25,6	61
3 x 1	7,4	36,1	77
4 x 1	8,1	46,5	97
5 x 1	9,0	57,0	117
7 x 1	9,7	77,8	150
10 x 1	12,4	109,2	215
12 x 1	12,8	130,1	243
14 x 1	13,5	151,0	276
16 x 1	14,4	171,8	317
19 x 1	15,2	203,2	363
20 x 1	16,0	213,6	389
24 x 1	17,9	255,4	462
25 x 1	17,9	265,8	473
27 x 1	18,3	286,7	504
30 x 1	18,9	318,1	552
37 x 1	20,6	391,2	672
2 x 1,5	7,8	36,5	78
3 x 1,5	8,3	52,3	101
4 x 1,5	9,3	68,2	132
5 x 1,5	10,1	84,1	155
7 x 1,5	11,0	115,8	201
10 x 1,5	14,1	163,4	290
12 x 1,5	14,8	195,1	336
14 x 1,5	15,5	226,9	383

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL 133			
16 x 1,5	16,4	258,6	432
19 x 1,5	17,5	306,2	505
20 x 1,5	18,4	322,1	543
24 x 1,5	20,6	385,5	644
25 x 1,5	20,6	401,4	659
27 x 1,5	21,0	433,1	704
30 x 1,5	21,8	480,7	773
37 x 1,5	23,7	591,8	941
2 x 2,5	9,4	55,4	111
3 x 2,5	9,9	80,8	146
4 x 2,5	10,9	106,2	188
5 x 2,5	12,1	131,5	228
7 x 2,5	13,1	182,2	297
10 x 2,5	16,9	258,3	430
12 x 2,5	17,7	309,0	499
14 x 2,5	18,6	359,7	570
16 x 2,5	19,7	410,4	645
19 x 2,5	20,9	486,5	755
20 x 2,5	22,1	511,9	810
24 x 2,5	24,7	613,3	960
25 x 2,5	24,7	638,6	985
27 x 2,5	25,3	689,3	1.054
30 x 2,5	26,4	765,4	1.172
37 x 2,5	28,7	942,9	1.427

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



ÖLFLEX® CONTROL SWA 135

Armoured overall screened control cable
CU/PVC/OS/PVC/SWA/PVC



Info

**RROHRFR 500 V
EN 50288-7**

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant

Product features

Armoured multi-core cable, overall screened,
PVC insulated and PVC jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Halogen acid gas**
IEC 60754-1 (max 20%)
- **Fire behaviour**
IEC 60332-1-2
IEC 60332-3-22 (Cat. A)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** PVC
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Inner sheath:** PVC, black
- **Armour:** Galvanized steel wires
- **Outer sheath:** PVC, black

Technical data

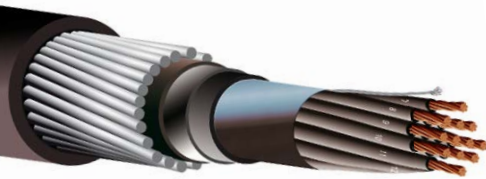
- Core identification code:**
Black with printed numbers
- Insulation resistance:**
100 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage U₀/U:**
500 V
- Test voltage:**
C/C 2000 V x 1 minute
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- 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 135			
2 x 1	11,6	25,6	244
3 x 1	12,0	36,1	269
4 x 1	12,9	46,5	308
5 x 1	13,8	57,0	348
7 x 1	14,6	77,8	397
10 x 1	17,5	109,2	529
12 x 1	17,9	130,1	566
14 x 1	18,5	151,0	612
16 x 1	19,4	171,8	674
19 x 1	20,4	203,2	746
20 x 1	22,0	213,6	905
24 x 1	23,9	255,4	1.031
25 x 1	23,9	265,8	1.042
27 x 1	24,5	286,7	1.095
30 x 1	25,1	318,1	1.162
37 x 1	26,8	391,2	1.331
2 x 1,5	12,7	36,5	284
3 x 1,5	13,1	52,3	318
4 x 1,5	14,1	68,2	370
5 x 1,5	14,9	84,1	411
7 x 1,5	15,8	115,8	475
10 x 1,5	19,2	163,4	641
12 x 1,5	19,8	195,1	702
14 x 1,5	20,8	226,9	775

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SWA 135			
16 x 1,5	22,4	258,6	958
19 x 1,5	23,5	306,2	1.062
20 x 1,5	24,6	322,1	1.139
24 x 1,5	26,8	385,5	1.302
25 x 1,5	26,8	401,4	1.318
27 x 1,5	27,2	433,1	1.376
30 x 1,5	28,2	480,7	1.480
37 x 1,5	30,2	591,8	1.705
2 x 2,5	14,2	55,4	350
3 x 2,5	14,8	80,8	398
4 x 2,5	15,7	106,2	459
5 x 2,5	17,1	131,5	534
7 x 2,5	18,2	182,2	627
10 x 2,5	22,9	258,3	972
12 x 2,5	23,7	309,0	1.063
14 x 2,5	24,8	359,7	1.172
16 x 2,5	25,8	410,4	1.276
19 x 2,5	27,1	486,5	1.423
20 x 2,5	28,5	511,9	1.526
24 x 2,5	31,1	613,3	1.753
25 x 2,5	31,1	638,6	1.777
27 x 2,5	31,7	689,3	1.862
30 x 2,5	33,8	765,4	2.207
37 x 2,5	36,3	942,9	2.563

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, other colors



ÖLFLEX® CONTROL SWA LEAD 185

Armoured, Lead jacketed, Overall screened control cable
CU/XLPE/OS/PVC/LC/PVC/SWA/PVC



Info

**RE4OHRLRFR 500 V
EN 50288-7**

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant

Product features

Armoured, lead jacketed, multi-core cable, overall screened, XLPE insulated and PVC jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **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
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Inner sheath:** PVC, black
- **Chemical Barrier:** Lead sheath
- **Inner sheath:** PVC, black
- **Armour:** Galvanized Steel Wire
- **Outer sheath:** PVC, 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:**
15 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 LEAD 185			
2 x 1	15,8	25,6	629
3 x 1	16,4	36,1	674
4 x 1	17,1	46,5	730
5 x 1	18,2	57,0	845
7 x 1	19,0	77,8	920
10 x 1	22,1	109,2	1.215
12 x 1	22,5	130,1	1.265
14 x 1	23,1	151,0	1.336
16 x 1	24,3	171,8	1.446
19 x 1	25,0	203,2	1.536
20 x 1	26,8	213,6	1.826
24 x 1	28,9	255,4	2.047
25 x 1	28,9	265,8	2.056
27 x 1	29,3	286,7	2.112
30 x 1	29,9	318,1	2.204
37 x 1	31,8	391,2	2.527
2 x 1,5	16,9	36,5	701
3 x 1,5	17,3	52,3	749
4 x 1,5	18,5	68,2	879
5 x 1,5	19,3	84,1	951
7 x 1,5	20,4	115,8	1.055
10 x 1,5	23,8	163,4	1.395
12 x 1,5	24,7	195,1	1.492
14 x 1,5	25,4	226,9	1.583

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SWA LEAD 185			
16 x 1,5	27,2	258,6	1.897
19 x 1,5	28,5	306,2	2.058
20 x 1,5	29,5	322,1	2.166
24 x 1,5	31,8	385,5	2.511
25 x 1,5	31,8	401,4	2.524
27 x 1,5	32,5	433,1	2.614
30 x 1,5	33,3	480,7	2.736
37 x 1,5	35,8	591,8	3.181
2 x 2,5	18,6	55,4	866
3 x 2,5	19,2	80,8	933
4 x 2,5	20,3	106,2	1.037
5 x 2,5	21,5	131,5	1.149
7 x 2,5	22,8	182,2	1.338
10 x 2,5	27,7	258,3	1.940
12 x 2,5	28,7	309,0	2.075
14 x 2,5	29,6	359,7	2.207
16 x 2,5	30,9	410,4	2.438
19 x 2,5	32,4	486,5	2.654
20 x 2,5	33,6	511,9	2.801
24 x 2,5	37,0	613,3	3.307
25 x 2,5	37,0	638,6	3.328
27 x 2,5	37,5	689,3	3.435
30 x 2,5	39,6	765,4	3.961
37 x 2,5	42,2	942,9	4.430

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 DSTA, other colors



ÖLFLEX® CONTROL SWA AL/HDPE/PA 186

Armoured, AL/HDPE/PA jacketed, Overall screened control cable
CU/XLPE/AL/HDPE/PA/SWA/PVC



Info

**RE4OH5ER4FR 500 V
EN 50288-7**

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant

Product features

Armoured, AL/HDPE/PA jacketed, multi-core cable, overall screened, XLPE insulated and PVC jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Halogen acid gas**
IEC 60754-1 (max 20%)
- **Fire behaviour**
IEC 60332-1-2

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Screen:** OS Aluminum longitudinal tape (AL) + TC Drain wire
- **Chemical Barrier:** AL/HDPE/PA
- **Armour:** Galvanized Steel Wire
- **Outer sheath:** PVC, 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:
15 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 AL/HDPE/PA 186			
2 x 1	13,4	25,6	294
3 x 1	13,8	36,1	318
4 x 1	14,5	46,5	350
5 x 1	15,2	57,0	381
7 x 1	15,9	77,8	426
10 x 1	18,9	109,2	555
12 x 1	19,3	130,1	588
14 x 1	19,9	151,0	632
16 x 1	21,0	171,8	698
19 x 1	21,8	203,2	756
20 x 1	23,4	213,6	921
24 x 1	25,5	255,4	1.050
25 x 1	25,5	265,8	1.059
27 x 1	25,8	286,7	1.098
30 x 1	26,5	318,1	1.159
37 x 1	28,4	391,2	1.325
2 x 1,5	14,3	36,5	329
3 x 1,5	14,7	52,3	360
4 x 1,5	15,5	68,2	403
5 x 1,5	16,5	84,1	450
7 x 1,5	17,4	115,8	511
10 x 1,5	20,8	163,4	673
12 x 1,5	21,4	195,1	728
14 x 1,5	22,9	226,9	905

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SWA AL/HDPE/PA 186			
16 x 1,5	23,7	258,6	973
19 x 1,5	25,0	306,2	1.080
20 x 1,5	26,0	322,1	1.143
24 x 1,5	28,4	385,5	1.308
25 x 1,5	28,4	401,4	1.321
27 x 1,5	28,8	433,1	1.374
30 x 1,5	29,6	480,7	1.458
37 x 1,5	31,5	591,8	1.663
2 x 2,5	15,6	55,4	386
3 x 2,5	16,4	80,8	439
4 x 2,5	17,3	106,2	498
5 x 2,5	18,5	131,5	561
7 x 2,5	19,6	182,2	648
10 x 2,5	24,5	258,3	1.003
12 x 2,5	25,3	309,0	1.085
14 x 2,5	26,2	359,7	1.176
16 x 2,5	27,2	410,4	1.273
19 x 2,5	28,7	486,5	1.420
20 x 2,5	29,9	511,9	1.508
24 x 2,5	32,7	613,3	1.732
25 x 2,5	32,7	638,6	1.754
27 x 2,5	33,3	689,3	1.831
30 x 2,5	35,1	765,4	2.155
37 x 2,5	37,7	942,9	2.481

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 DSTA, other colors



ÖLFLEX® CONTROL 232 H

Control cable LSZH
CU/HERP/LSZH



Info

**FG70M1 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, HEPR 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:** Flexible Annealed Copper
- **Core insulation:** HEPR
- **Outer sheath:** LSZH, black

Technical data

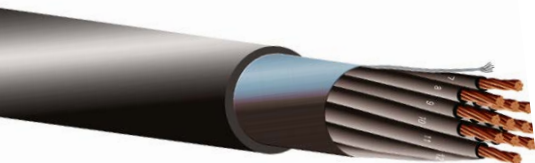
- Core identification code:**
Black with printed numbers
- Insulation resistance:**
1000 MOhm x km
- Conductor stranding:**
Class 5 IEC 60228
- Nominal Voltage U₀/U:**
0,6/1 Kv
- Test voltage:**
C/C 3500 V x 5 minutes
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- Minimum Bending Radius:**
8 x Outer Diameter

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL 232 H			
2 x 1	9,5	20,7	96
3 x 1	10,0	31,0	113
4 x 1	10,7	41,3	136
5 x 1	11,5	51,6	155
7 x 1	12,4	72,3	189
10 x 1	15,3	103,3	260
12 x 1	15,8	123,9	289
14 x 1	16,5	144,6	324
16 x 1	17,4	165,3	360
19 x 1	18,2	196,2	406
20 x 1	19,2	206,6	438
24 x 1	21,1	247,9	505
25 x 1	21,1	258,2	514
27 x 1	21,5	278,9	545
30 x 1	22,3	309,9	593
37 x 1	24,0	382,2	703
2 x 1,5	10,1	28,2	108
3 x 1,5	10,6	42,4	131
4 x 1,5	11,4	56,5	159
5 x 1,5	12,3	70,6	182
7 x 1,5	13,2	98,8	224
10 x 1,5	16,4	141,2	311
12 x 1,5	16,9	169,4	347
14 x 1,5	17,7	197,7	391

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL 232 H			
16 x 1,5	18,6	225,9	436
19 x 1,5	19,6	268,3	495
20 x 1,5	20,6	282,4	533
24 x 1,5	22,7	338,9	617
25 x 1,5	22,7	353,0	629
27 x 1,5	23,2	381,3	668
30 x 1,5	24,0	423,6	729
37 x 1,5	25,9	522,5	868
2 x 2,5	11,1	48,4	138
3 x 2,5	11,7	72,6	171
4 x 2,5	12,7	96,8	212
5 x 2,5	13,7	121,0	246
7 x 2,5	14,8	169,5	310
10 x 2,5	18,5	242,1	434
12 x 2,5	19,1	290,5	490
14 x 2,5	20,0	338,9	555
16 x 2,5	21,1	387,3	623
19 x 2,5	22,2	459,9	712
20 x 2,5	23,4	484,2	767
24 x 2,5	25,9	581,0	892
25 x 2,5	25,9	605,2	912
27 x 2,5	26,4	653,6	973
30 x 2,5	27,4	726,2	1.066
37 x 2,5	29,8	895,7	1.293

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: XLPE Insulation, Conductor Class 2, other colors



ÖLFLEX® CONTROL 234 H

Overall screened control cable, LSZH
CU/XLPE/OS/LSZH



Info

**RE4OHM1 500 V
EN 50288-7**

Benefits

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

Product features

Multi-core cable, overall screened, 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
- **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 234 H			
2 x 1	7,0	25,6	58
3 x 1	7,4	36,1	73
4 x 1	8,1	46,5	90
5 x 1	9,0	57,0	109
7 x 1	9,7	77,8	138
10 x 1	12,4	109,2	198
12 x 1	12,8	130,1	222
14 x 1	13,5	151,0	251
16 x 1	14,4	171,8	289
19 x 1	15,2	203,2	329
20 x 1	16,0	213,6	354
24 x 1	17,9	255,4	420
25 x 1	17,9	265,8	429
27 x 1	18,3	286,7	456
30 x 1	18,9	318,1	499
37 x 1	20,6	391,2	606
2 x 1,5	7,8	36,5	74
3 x 1,5	8,3	52,3	95
4 x 1,5	9,3	68,2	124
5 x 1,5	10,1	84,1	145
7 x 1,5	11,0	115,8	185
10 x 1,5	14,1	163,4	268
12 x 1,5	14,8	195,1	309
14 x 1,5	15,5	226,9	351

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL 234 H			
16 x 1,5	23,7	258,6	973
19 x 1,5	25,0	306,2	1.080
20 x 1,5	26,0	322,1	1.143
24 x 1,5	28,4	385,5	1.308
25 x 1,5	28,4	401,4	1.321
27 x 1,5	28,8	433,1	1.374
30 x 1,5	29,6	480,7	1.458
37 x 1,5	31,5	591,8	1.663
2 x 2,5	15,6	55,4	386
3 x 2,5	16,4	80,8	439
4 x 2,5	17,3	106,2	498
5 x 2,5	18,5	131,5	561
7 x 2,5	19,6	182,2	648
10 x 2,5	24,5	258,3	1.003
12 x 2,5	25,3	309,0	1.085
14 x 2,5	26,2	359,7	1.176
16 x 2,5	27,2	410,4	1.273
19 x 2,5	28,7	486,5	1.420
20 x 2,5	29,9	511,9	1.508
24 x 2,5	32,7	613,3	1.732
25 x 2,5	32,7	638,6	1.754
27 x 2,5	33,3	689,3	1.831
30 x 2,5	35,1	765,4	2.155
37 x 2,5	37,7	942,9	2.481

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



ÖLFLEX® CONTROL SWA 235 H

Armoured overall screened control cable LSZH
CU/XLPE/OS/SWA/LSZH



Info

**RE4OHM1 FM1 500 V
EN 50288-7**

Benefits

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

Product features

Armoured multi-core cable, overall screened,
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
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized steel wires
- **Outer sheath:** LSZH, black

Technical data

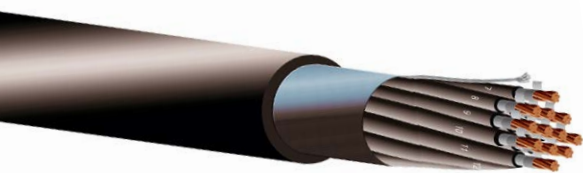
- Core identification code:**
Black with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage U₀/U:**
500 V
- Test voltage:**
C/C 2000 V x 1 minute
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- 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 235 H			
2 x 1	11,6	25,6	242
3 x 1	12,0	36,1	265
4 x 1	12,9	46,5	303
5 x 1	13,8	57,0	341
7 x 1	14,6	77,8	386
10 x 1	17,5	109,2	513
12 x 1	17,9	130,1	546
14 x 1	18,5	151,0	589
16 x 1	19,4	171,8	647
19 x 1	20,4	203,2	714
20 x 1	22,0	213,6	870
24 x 1	23,9	255,4	989
25 x 1	23,9	265,8	998
27 x 1	24,5	286,7	1.048
30 x 1	25,1	318,1	1.109
37 x 1	26,8	391,2	1.264
2 x 1,5	12,7	36,5	282
3 x 1,5	13,1	52,3	312
4 x 1,5	14,1	68,2	362
5 x 1,5	14,9	84,1	401
7 x 1,5	15,8	115,8	460
10 x 1,5	19,2	163,4	620
12 x 1,5	19,8	195,1	676
14 x 1,5	20,8	226,9	744

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SWA 235 H			
16 x 1,5	22,4	258,6	922
19 x 1,5	23,5	306,2	1.019
20 x 1,5	24,6	322,1	1.093
24 x 1,5	26,8	385,5	1.247
25 x 1,5	26,8	401,4	1.260
27 x 1,5	27,2	433,1	1.313
30 x 1,5	28,2	480,7	1.410
37 x 1,5	30,2	591,8	1.618
2 x 2,5	14,2	55,4	346
3 x 2,5	14,8	80,8	390
4 x 2,5	15,7	106,2	448
5 x 2,5	17,1	131,5	519
7 x 2,5	18,2	182,2	605
10 x 2,5	22,9	258,3	940
12 x 2,5	23,7	309,0	1.024
14 x 2,5	24,8	359,7	1.126
16 x 2,5	25,8	410,4	1.223
19 x 2,5	27,1	486,5	1.359
20 x 2,5	28,5	511,9	1.459
24 x 2,5	31,1	613,3	1.672
25 x 2,5	31,1	638,6	1.693
27 x 2,5	31,7	689,3	1.770
30 x 2,5	33,8	765,4	2.106
37 x 2,5	36,3	942,9	2.436

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, other colors



ÖLFLEX® CONTROL F90 339 H
 Fire resistant, overall screened control cable LSZH
 CU/MT/XLPE/OS/LSZH



Info

RTE4OHM 1 500 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



ÖLFLEX® CONTROL SWA F90 341 H

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



Info

RTE4OHM1FM1 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

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, other colors



ÖLFLEX® CONTROL STA NF 601

Armoured control cable
CU/XLPE/PVC/STA/PVC



Info

**RE4ORNR 0,6/1 Kv
NF C 32-322**

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant

Product features

Armoured multi-core cable, XLPE insulated and PVC jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
NF C 32-322
- **Halogen acid gas**
IEC 60754-1 (max 20%)
- **Fire behaviour**
IEC 60332-1-2
IEC 60332-3-22 (Cat. A)

Design

- **Conductor:** Stranded or solid Annealed Copper
- **Core insulation:** XLPE
- **Inner sheath:** PVC, black
- **Armour:** Double Steel tape
- **Outer sheath:** PVC, black

Technical data



Core identification code:
according to NF C 32-322



Insulation resistance:
5000 MOhm x km



Conductor stranding:
according to NF C 32-322



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 of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL STA NF 601			
7 x 1,5	15,3	111,1	365
10 x 1,5	18,4	158,7	487
12 x 1,5	19,2	190,4	542
14 x 1,5	20,0	222,1	596
19 x 1,5	21,8	301,5	727
24 x 1,5	25,2	380,8	901
30 x 1,5	26,7	476,0	1.050
37 x 1,5	28,5	587,1	1.221
7 x 2,5	16,6	177,5	457
10 x 2,5	20,4	253,6	627
12 x 2,5	21,0	304,3	691
14 x 2,5	21,9	355,0	767
19 x 2,5	24,3	481,8	962
24 x 2,5	28,0	608,5	1.197
30 x 2,5	29,7	760,7	1.407
37 x 2,5	31,8	938,2	1.650

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 1 IEC 60228, other colors



SERIES 602
UL/CSA Tray cable XLPE/PVC
CU/XLPE/PVC



Info

RE4OR 600 V
UL 1277 tray cable (Type TC),
UL44, Type TC-ER 90°C, 600 V cable
c(UL)type CIC/TC - 40°C out-
door FT4, CSA 22.2 No 38, CSA
22.22 No 239, CSA 22.2 No 230

Benefits

- Sunlight resistant
- Fire behaviour
- Oil resistant
- UL/CSA

Product features

Stranded bare copper conductors; XLPE insulation; uninsulated grounding conductor, specially blended black PVC jacket

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
OR-01
- **Motion Type**
FL-01
- **Mechanical Properties**
MP-03
- **Fire behaviour**
FR-03

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Bonding conductor:** uninsulated bonded conductor included in every cable in accordance to Table 16 of the Canadian Electrical Code
- **Outer sheath:** PVC, black

Technical data

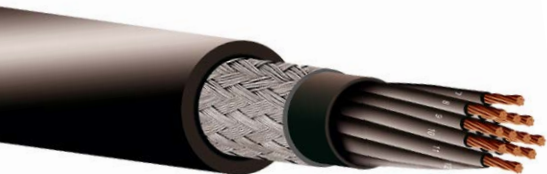
- Core identification code:**
2 Black & White
3 Black, Red, White
4 Black, Red, Blue, White
5 and above Black with numbers
- Conductor stranding:**
Class B
- Nominal Voltage U₀/U:**
600 V
- Temperature range:**
during operation: -40° to +90°C
- Minimum Bending Radius:**
8 x Outer Diameter

Number of cores and AWG per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
SERIES 602			
16 x 16 AWG	18,3	215,8	454,0
24 x 16 AWG	22,9	318,5	688,0
30 x 16 AWG	24,3	382,5	821,0
40 x 16 AWG	27,2	506,0	1.045,0
2 x 14 AWG	9,2	59,5	119,0
3 x 14 AWG	10	80,4	152,0
4 x 14 AWG	10,8	99,7	185,0
5 x 14 AWG	11,8	120,5	219,0
6 x 14 AWG	12,9	139,9	255,0
7 x 14 AWG	13,3	159,2	292,0
8 x 14 AWG	15	180,1	343,0
10 x 14 AWG	17,2	220,2	417,0
12 x 14 AWG	17,7	258,9	470,0
14 x 14 AWG	18,7	299,1	540,0
15 x 14 AWG	19,5	320,0	540,0
20 x 14 AWG	22,2	419,7	782,0

Number of cores and AWG per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
SERIES 602			
25 x 14 AWG	25,1	519,4	941,0
30 x 14 AWG	26,4	559,5	1.057,0
40 x 14 AWG	29,6	741,1	1.353,0
50 x 14 AWG	33,1	921,2	1.656,0
2 x 12 AWG	9,8	83,3	149,0
3 x 12 AWG	10,7	114,6	195,0
4 x 12 AWG	11,7	147,3	241,0
5 x 12 AWG	12,7	178,6	289,0
6 x 12 AWG	14,3	209,8	367,0
10 x 12 AWG	18,8	336,3	561,0
12 x 12 AWG	19,1	400,3	635,0
15 x 12 AWG	21,9	495,6	837,0
20 x 12 AWG	24,3	653,3	1.065,0
25 x 12 AWG	28	754,5	1.268,0
30 x 12 AWG	29,6	903,3	1.488

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:



ÖLFLEX® CONTROL SC SWB 713 H

Armoured ship board control cable LSZH
CU/XLPE/LSZH/SWB/LSZH



Info

RE4OAM 1 0,6/1 Kv
IEC 60092-353

Benefits

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

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
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized steel wire braid
- **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:**
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 of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SC SWB 713 H			
4 x 1	12,3	41,8	201
5 x 1	13,1	52,2	225
7 x 1	14,6	73,1	300
10 x 1	17,6	104,4	405
12 x 1	18,0	125,3	436
14 x 1	18,8	146,2	480
16 x 1	19,6	167,1	524
19 x 1	20,7	198,4	588
20 x 1	21,6	208,9	629
24 x 1	23,7	250,7	727
25 x 1	23,7	261,1	736
27 x 1	24,1	282,0	771
30 x 1	24,9	313,3	827
37 x 1	26,7	386,4	968
2 x 1,5	11,7	31,7	174
3 x 1,5	12,2	47,6	201
4 x 1,5	13,1	63,5	236
5 x 1,5	14,6	79,3	302
7 x 1,5	15,5	111,1	356
10 x 1,5	18,9	158,7	485
12 x 1,5	19,4	190,4	527
14 x 1,5	20,4	222,1	594
16 x 1,5	21,3	253,9	652

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SC SWB 713 H			
19 x 1,5	22,3	301,5	724
20 x 1,5	23,5	317,3	786
24 x 1,5	25,6	380,8	898
25 x 1,5	25,6	396,7	912
27 x 1,5	26,3	428,4	972
30 x 1,5	27,1	476,0	1.047
37 x 1,5	29,2	587,1	1.232
2 x 2,5	12,6	50,7	207
3 x 2,5	13,2	76,1	244
4 x 2,5	14,8	101,4	327
5 x 2,5	15,8	126,8	371
7 x 2,5	16,8	177,5	446
10 x 2,5	20,8	253,6	625
12 x 2,5	21,4	304,3	685
14 x 2,5	22,3	355,0	764
16 x 2,5	23,6	405,7	856
19 x 2,5	24,7	481,8	959
20 x 2,5	26,1	507,1	1.039
24 x 2,5	28,5	608,5	1.194
25 x 2,5	28,5	633,9	1.215
27 x 2,5	29,2	684,6	1.298
30 x 2,5	30,1	760,7	1.404
37 x 2,5	32,5	938,2	1.663

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: Tinned copper conductors, tinned copper wire braid



ÖLFLEX® CONTROL SC SWB F90 714 H

Fire resistant, armoured ship board control cable LSZH
CU/MT/XLPE/LSZH/SWB/LSZH



Info

RTE4OAM1 0,6/1 Kv
IEC 60092-353
IEC 60331-21

Benefits

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

Product features

Armoured 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 (90min./750°C)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE, over MICA-tape wrapped conductor
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized steel wire braid
- **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:**
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 of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SC SWB F90 714 H			
4 x 1	15,4	41,8	299
5 x 1	16,4	52,2	334
7 x 1	17,8	73,1	399
10 x 1	21,8	104,4	546
12 x 1	22,5	125,3	586
14 x 1	23,7	146,2	659
16 x 1	24,8	167,1	721
19 x 1	26,1	198,4	808
20 x 1	27,4	208,9	870
24 x 1	30,2	250,7	1.003
25 x 1	30,2	261,1	1.013
27 x 1	30,8	282,0	1.062
30 x 1	32,0	313,3	1.156
37 x 1	34,9	386,4	1.384
2 x 1,5	13,8	31,7	216
3 x 1,5	15,0	47,6	288
4 x 1,5	16,1	63,5	338
5 x 1,5	17,5	79,3	388
7 x 1,5	18,7	111,1	459
10 x 1,5	23,3	158,7	643
12 x 1,5	24,0	190,4	696
14 x 1,5	25,1	222,1	771
16 x 1,5	26,5	253,9	862

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SC SWB F90 714 H			
19 x 1,5	27,7	301,5	956
20 x 1,5	29,3	317,3	1.043
24 x 1,5	32,3	380,8	1.205
25 x 1,5	32,3	396,7	1.220
27 x 1,5	32,9	428,4	1.283
30 x 1,5	34,6	476,0	1.432
37 x 1,5	37,7	587,1	1.758
2 x 2,5	15,3	50,7	288
3 x 2,5	16,0	76,1	336
4 x 2,5	17,4	101,4	408
5 x 2,5	18,7	126,8	462
7 x 2,5	20,3	177,5	566
10 x 2,5	25,1	253,6	782
12 x 2,5	26,0	304,3	868
14 x 2,5	27,2	355,0	967
16 x 2,5	28,8	405,7	1.083
19 x 2,5	30,1	481,8	1.210
20 x 2,5	31,9	507,1	1.317
24 x 2,5	35,6	608,5	1.561
25 x 2,5	35,6	633,9	1.584
27 x 2,5	36,2	684,6	1.669
30 x 2,5	38,1	760,7	1.903
37 x 2,5	41,0	938,2	2.235

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: Tinned copper conductors, tinned copper wire braid



ÖLFLEX® CONTROL SC SWB 715 H

Armoured ship board control cable LSZH
CU/XLPE/LSZH/SWB/LSZH



Info

**FE4OAM1 0,6/1 Kv
IEC 60092-353**

Benefits

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

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:** Flexible Annealed Copper
- **Core insulation:** XLPE
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized steel wire braid
- **Outer sheath:** LSZH, black

Technical data

- Core identification code:**
Black with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 5 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 of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SC SWB F90 715 H			
4 x 1	12,4	41,3	203
5 x 1	13,2	51,6	227
7 x 1	14,7	72,3	303
10 x 1	17,8	103,3	409
12 x 1	18,3	123,9	440
14 x 1	19,0	144,6	484
16 x 1	19,9	165,3	529
19 x 1	20,9	196,2	593
20 x 1	21,9	206,6	635
24 x 1	24,0	247,9	733
25 x 1	24,0	258,2	742
27 x 1	24,5	278,9	778
30 x 1	25,2	309,9	834
37 x 1	27,1	382,2	975
2 x 1,5	11,8	28,2	171
3 x 1,5	12,3	42,4	197
4 x 1,5	13,1	56,5	230
5 x 1,5	14,6	70,6	294
7 x 1,5	15,5	98,8	346
10 x 1,5	18,9	141,2	470
12 x 1,5	19,4	169,4	509
14 x 1,5	20,5	197,7	573
16 x 1,5	21,4	225,9	628

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SC SWB F90 715 H			
19 x 1,5	22,3	268,3	696
20 x 1,5	23,6	282,4	756
24 x 1,5	25,9	338,9	875
25 x 1,5	25,9	353,0	887
27 x 1,5	26,4	381,3	932
30 x 1,5	27,2	423,6	1.002
37 x 1,5	29,3	522,5	1.176
2 x 2,5	12,8	48,4	208
3 x 2,5	13,4	72,6	244
4 x 2,5	15,0	96,8	328
5 x 2,5	16,0	121,0	371
7 x 2,5	17,1	169,5	445
10 x 2,5	21,2	242,1	624
12 x 2,5	21,8	290,5	683
14 x 2,5	22,8	338,9	760
16 x 2,5	24,0	387,3	851
19 x 2,5	25,1	459,9	952
20 x 2,5	26,6	484,2	1.033
24 x 2,5	29,2	581,0	1.200
25 x 2,5	29,2	605,2	1.220
27 x 2,5	29,8	653,6	1.287
30 x 2,5	30,7	726,2	1.391
37 x 2,5	33,1	895,7	1.646

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: Tinned copper conductors, tinned copper wire braid



ÖLFLEX® CONTROL SC SWB F90 716 H

Fire resistant, armoured ship board control cable LSZH
CU/MT/XLPE/LSZH/SWB/LSZH



Info

FTE4OAM1 0,6/1 Kv
IEC 60092-353
IEC 60331-21

Benefits

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

Product features

Armoured 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 (90 min./750°C)

Design

- **Conductor:** Flexible Annealed Copper
- **Core insulation:** XLPE, over MICA-tape wrapped conductor
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized steel wire braid
- **Outer sheath:** LSZH, black

Technical data

- Core identification code:**
Black with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 5 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 of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SC SWB F90 716 H			
4 x 1	15,5	41,3	302
5 x 1	16,6	51,6	337
7 x 1	18,0	72,3	403
10 x 1	22,1	103,3	551
12 x 1	22,7	123,9	592
14 x 1	23,9	144,6	664
16 x 1	25,0	165,3	728
19 x 1	26,4	196,2	815
20 x 1	27,7	206,6	878
24 x 1	30,5	247,9	1.011
25 x 1	30,5	258,2	1.022
27 x 1	31,1	278,9	1.071
30 x 1	32,3	309,9	1.166
37 x 1	35,2	382,2	1.396
2 x 1,5	13,8	28,2	213
3 x 1,5	15,1	42,4	284
4 x 1,5	16,2	56,5	332
5 x 1,5	17,5	70,6	381
7 x 1,5	18,8	98,8	449
10 x 1,5	23,4	141,2	629
12 x 1,5	24,0	169,4	679
14 x 1,5	25,1	197,7	751
16 x 1,5	26,5	225,9	838

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SC SWB F90 716 H			
19 x 1,5	27,8	268,3	928
20 x 1,5	29,4	282,4	1.014
24 x 1,5	32,4	338,9	1.170
25 x 1,5	32,4	353,0	1.183
27 x 1,5	33,0	381,3	1.243
30 x 1,5	34,7	423,6	1.388
37 x 1,5	37,8	522,5	1.703
2 x 2,5	15,5	48,4	290
3 x 2,5	16,2	72,6	337
4 x 2,5	17,6	96,8	410
5 x 2,5	18,9	121,0	463
7 x 2,5	20,6	169,5	566
10 x 2,5	25,5	242,1	783
12 x 2,5	26,4	290,5	867
14 x 2,5	27,6	338,9	965
16 x 2,5	29,2	387,3	1.081
19 x 2,5	30,6	459,9	1.206
20 x 2,5	32,4	484,2	1.314
24 x 2,5	36,1	581,0	1.557
25 x 2,5	36,1	605,2	1.579
27 x 2,5	36,8	653,6	1.663
30 x 2,5	38,7	726,2	1.898
37 x 2,5	41,6	895,7	2.227

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: Tinned copper conductors, tinned copper wire braid